Barcode Facility in Miracle

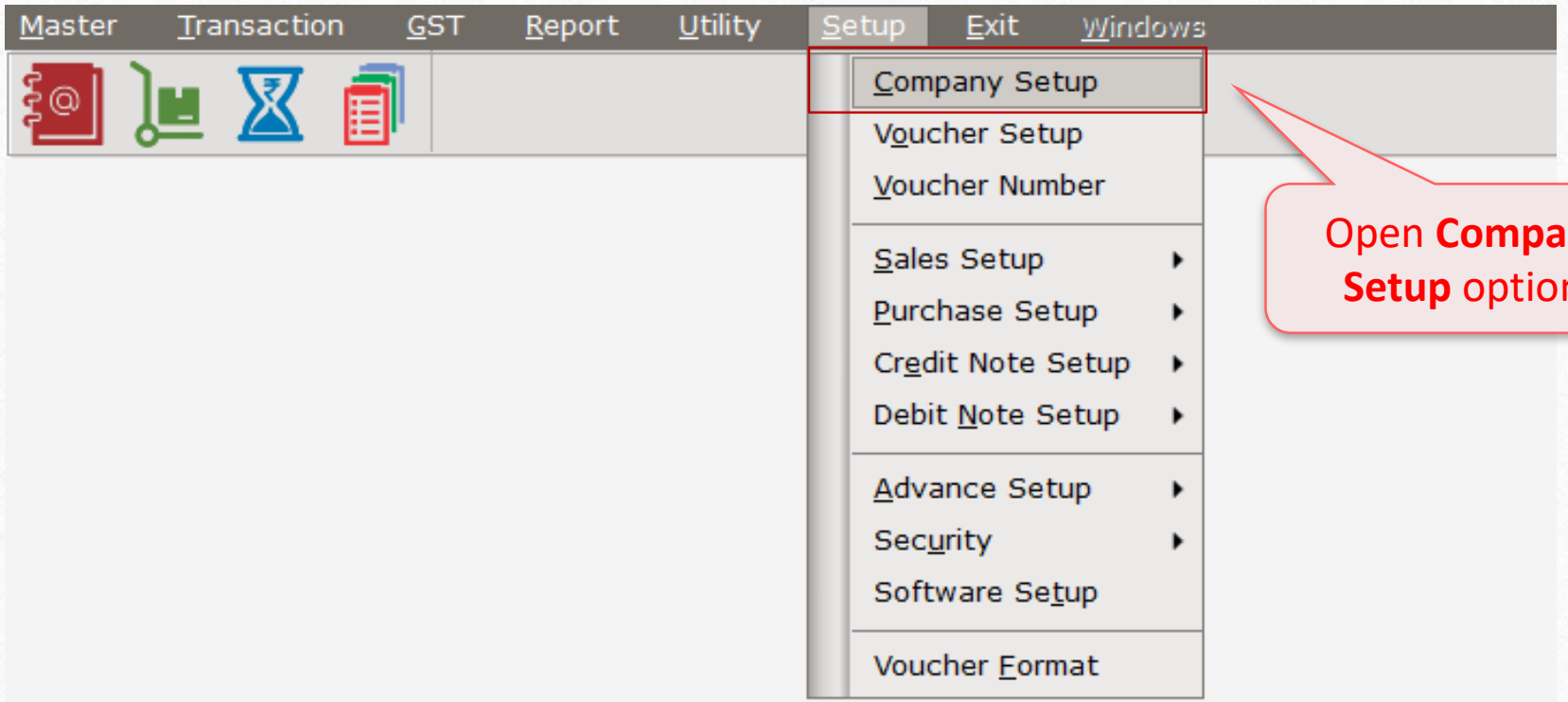
MIRACLE® Accounting Software

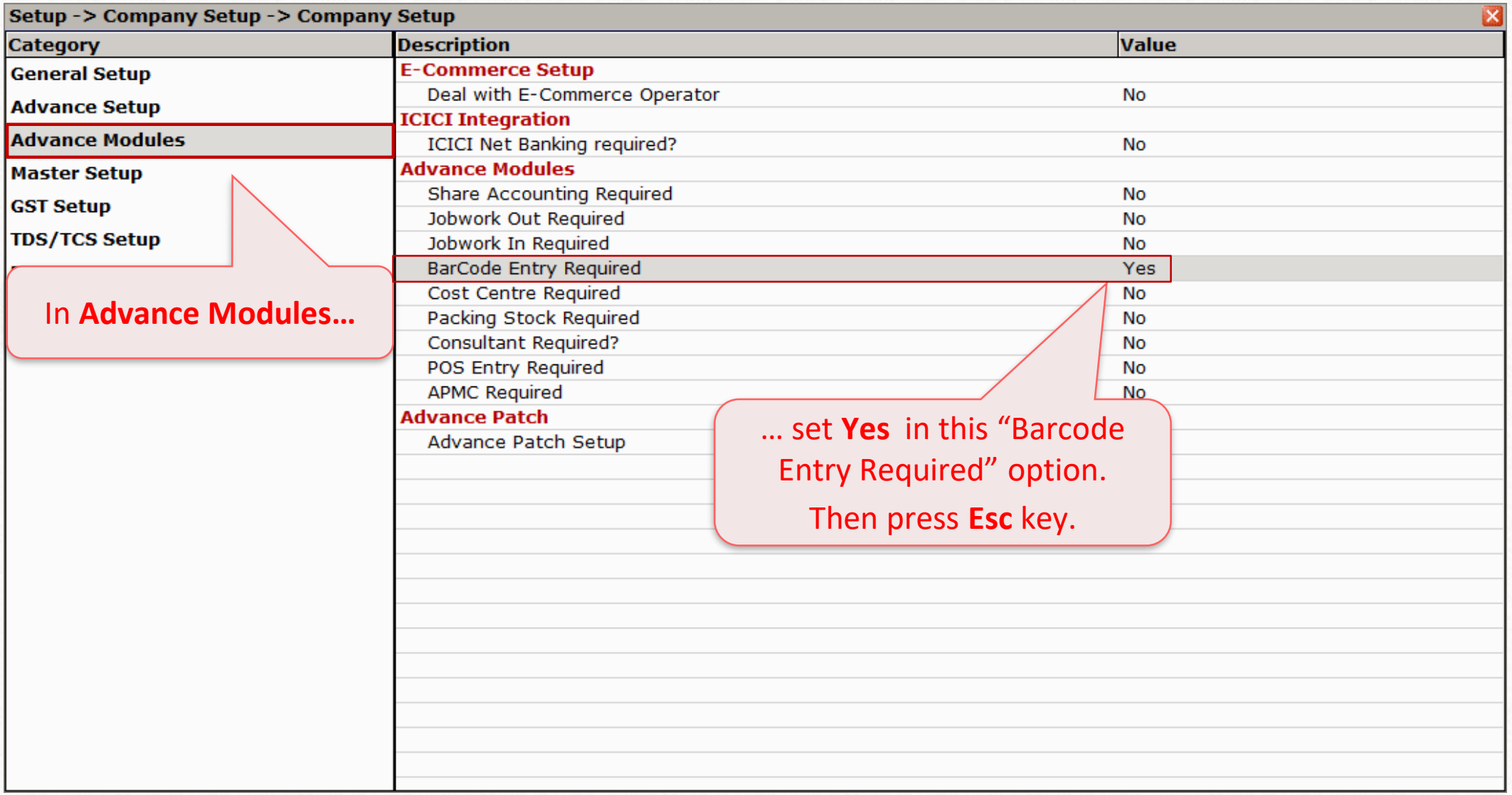
- Points that will be covered in this document:
  - About Barcode
  - Barcode allocation according to product's Alias Name and Serial No.
  - Barcode Labeling
    - How to make new Barcode Label format?
  - Barcode Printing
    - Usage of Blank Label
  - Barcode Scanning using barcode scanner

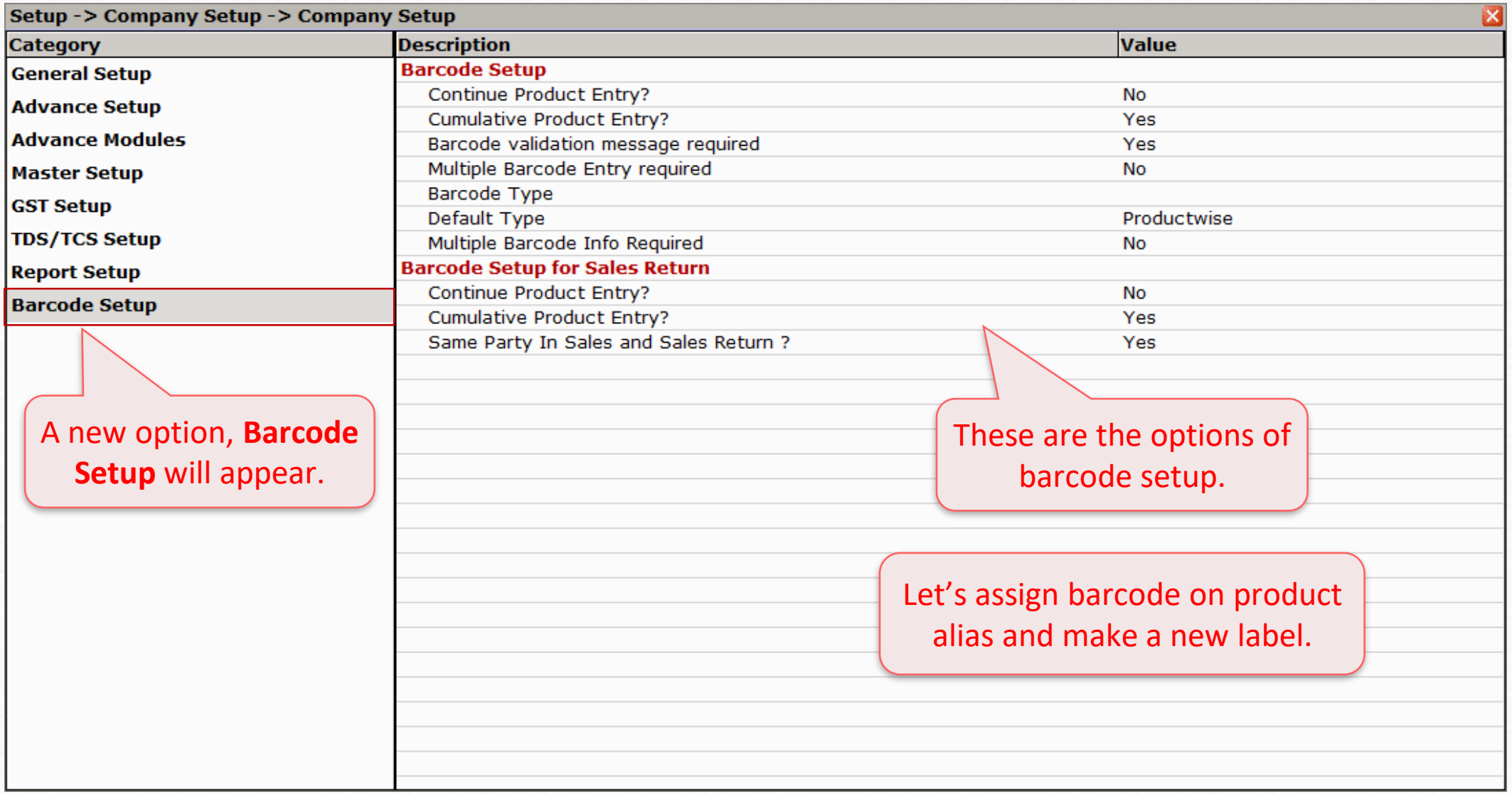
About Barcode

- Millions of companies around the world rely on barcode to improve data management and accessibility, reduce costs and increase productivity.
- Barcodes are applied to products as a means of quick identification. They are used in retail stores as part of the purchase process, in warehouses to track inventory, and on invoices to assist in accounting, among many other uses.
- This barcode facility including barcode labeling, printing, and scanning by the POS system can be easily done in Miracle Accounting Software.
- How new Barcode label can be generated, setup of its margins and other scanning setups of barcode we will see in this guide.

- Note that, in Miracle, barcode can be assigned on the **product's Name, Alias Name, Serial Number, Batch Number** and/or it's **User field**.
- We will create barcode of the product based on its,
  - Alias &
  - Serial Number
- Let's see one by one.


Master
Transaction
GST
Report
Utility
Setup
Exit
Windows
Company Setup
Voucher Setup
Voucher Number
Sales Setup
Purchase Setup
Credit Note Setup
Debit Note Setup
Advance Setup
Security
Software Setup
Voucher Format
Open **Company Setup** option.


Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Description
Value
E-Commerce Setup
Deal with E-Commerce Operator
No
ICICI Integration
ICICI Net Banking required?
No
Advance Modules
Share Accounting Required
No
Jobwork Out Required
No
Jobwork In Required
No
BarCode Entry Required
Yes
Cost Centre Required
No
Packing Stock Required
No
Consultant Required?
No
POS Entry Required
No
APMC Required
No
Advance Patch
Advance Patch Setup
In Advance Modules...
... set Yes in this "Barcode Entry Required" option.
Then press Esc key.



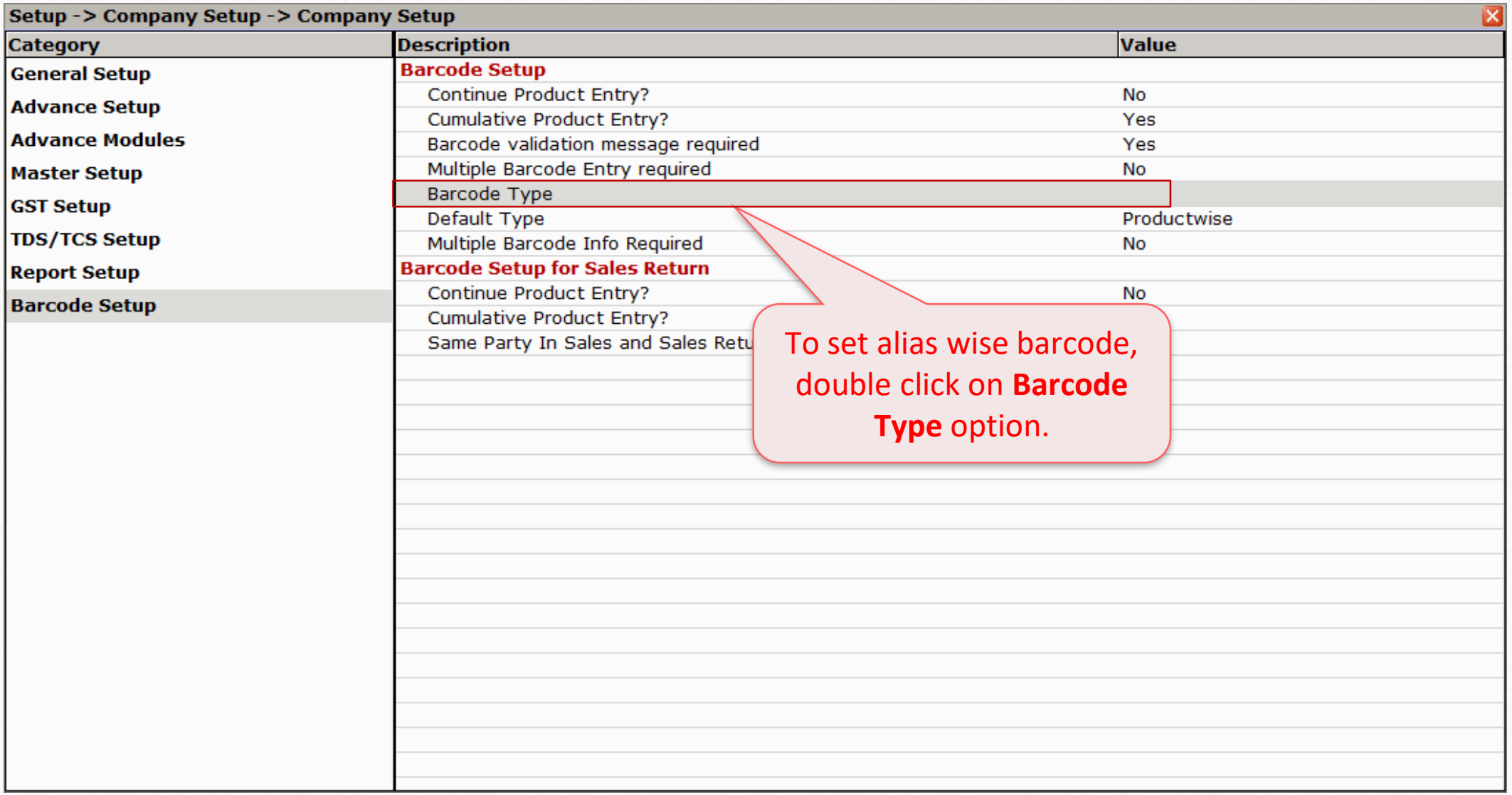
A new option, **Barcode Setup** will appear.

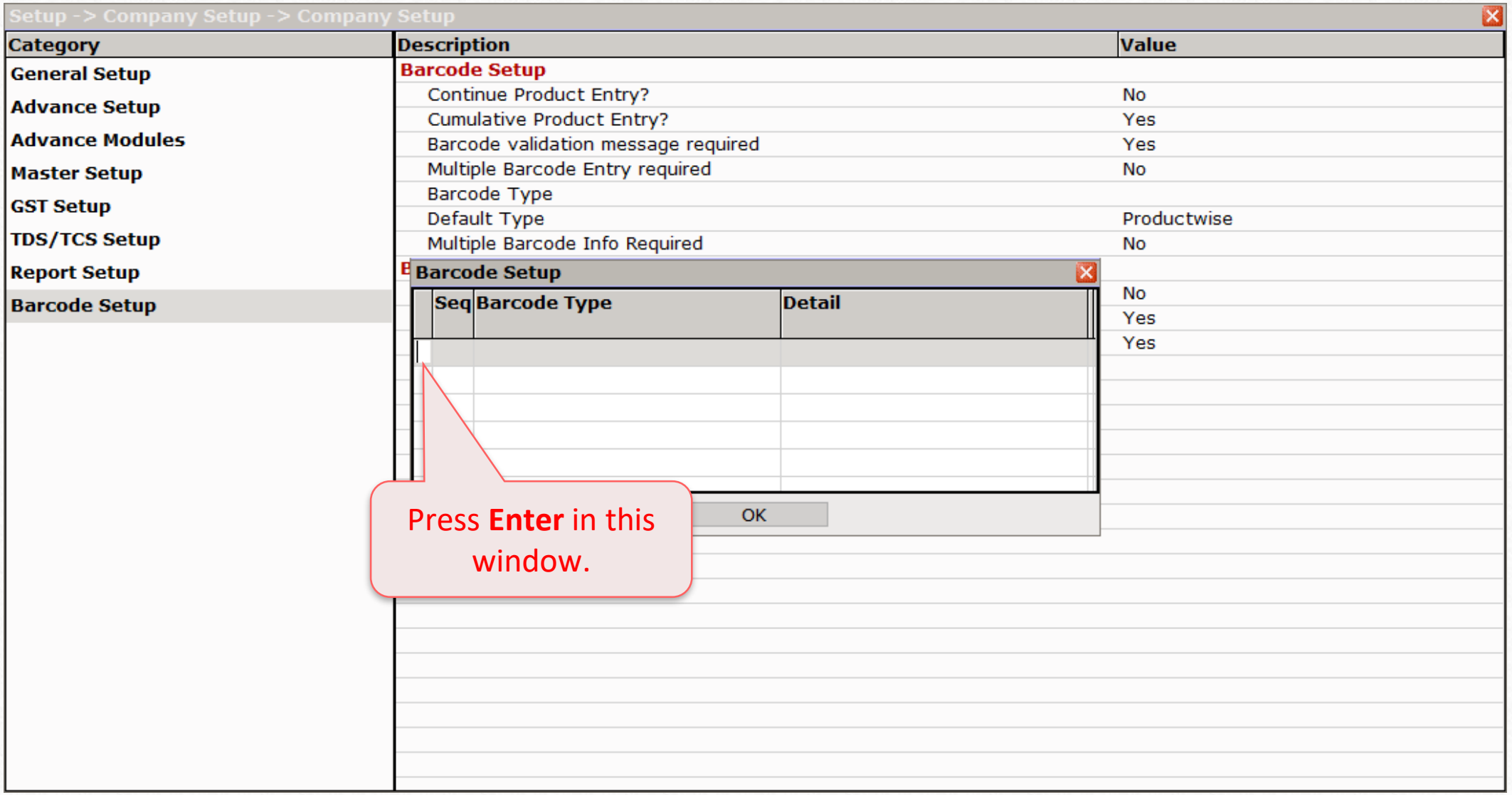
These are the options of barcode setup.

Let's assign barcode on product alias and make a new label.

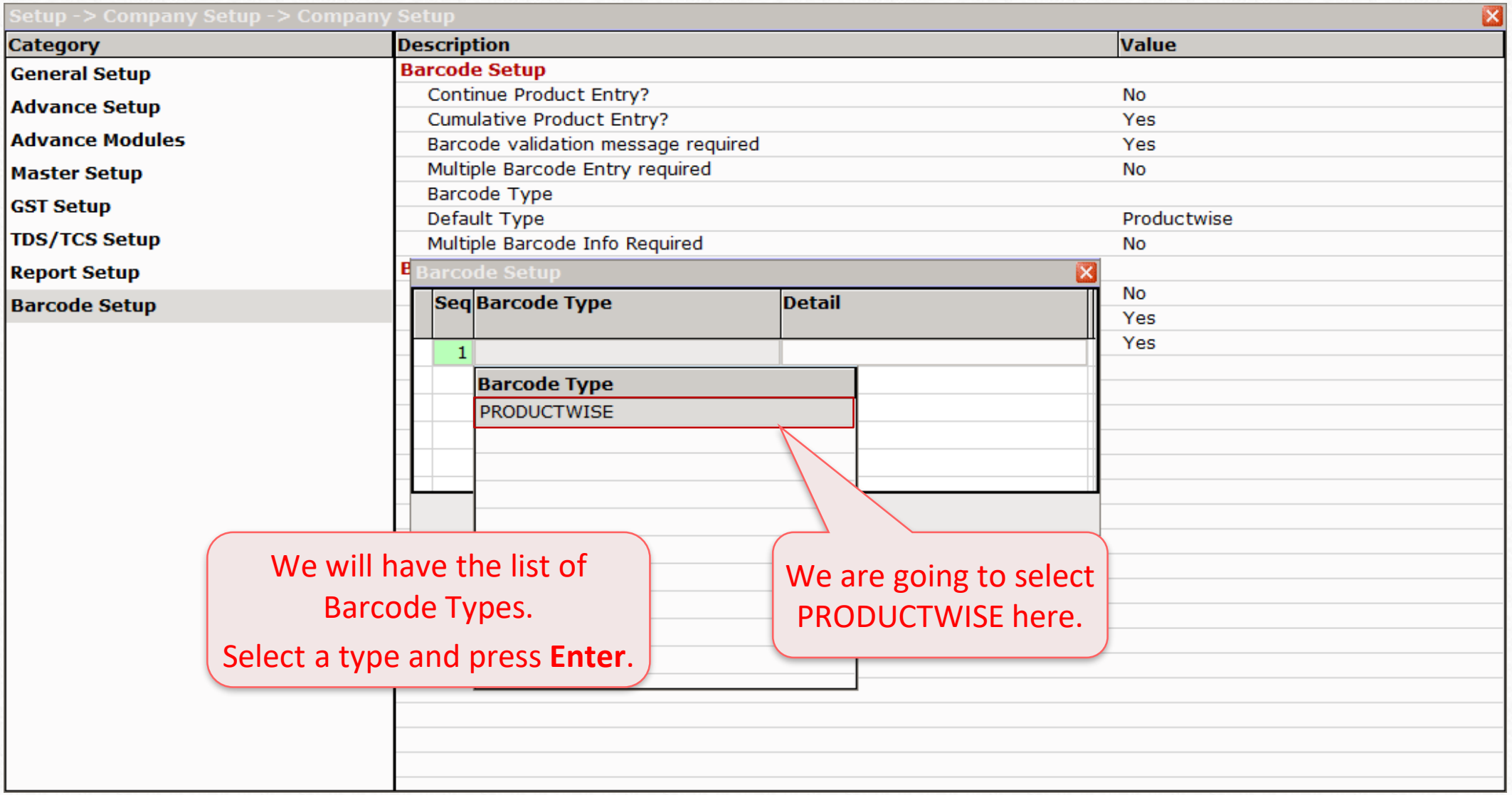
Product's Alias wise Barcode

Make sure you have assigned alias to the products

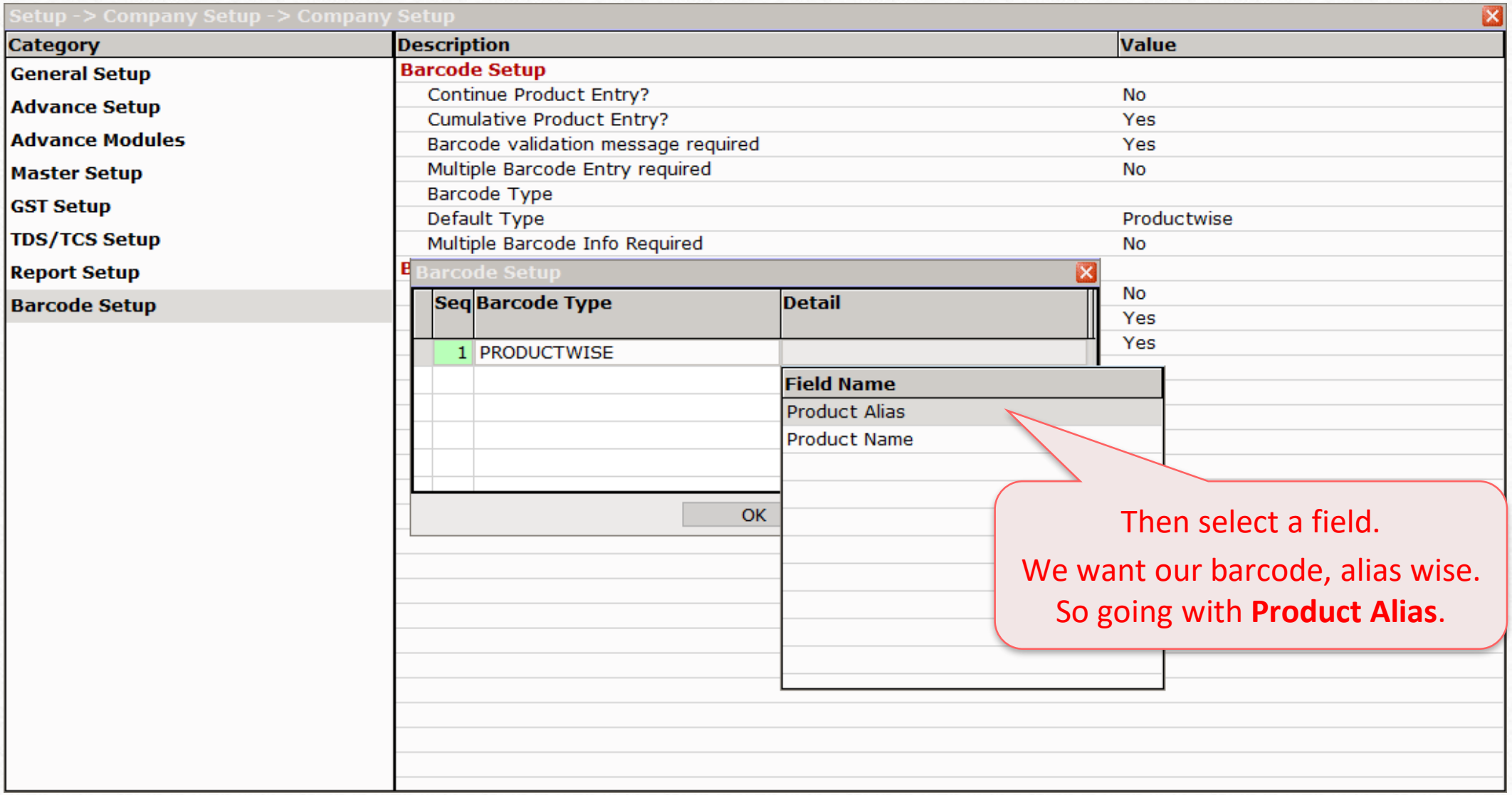

Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Barcode Setup
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required No
Barcode Type
Default Type Productwise
Multiple Barcode Info Required No
Barcode Setup for Sales Return
Continue Product Entry? No
Cumulative Product Entry?
Same Party In Sales and Sales Retu
To set alias wise barcode, double click on Barcode Type option.

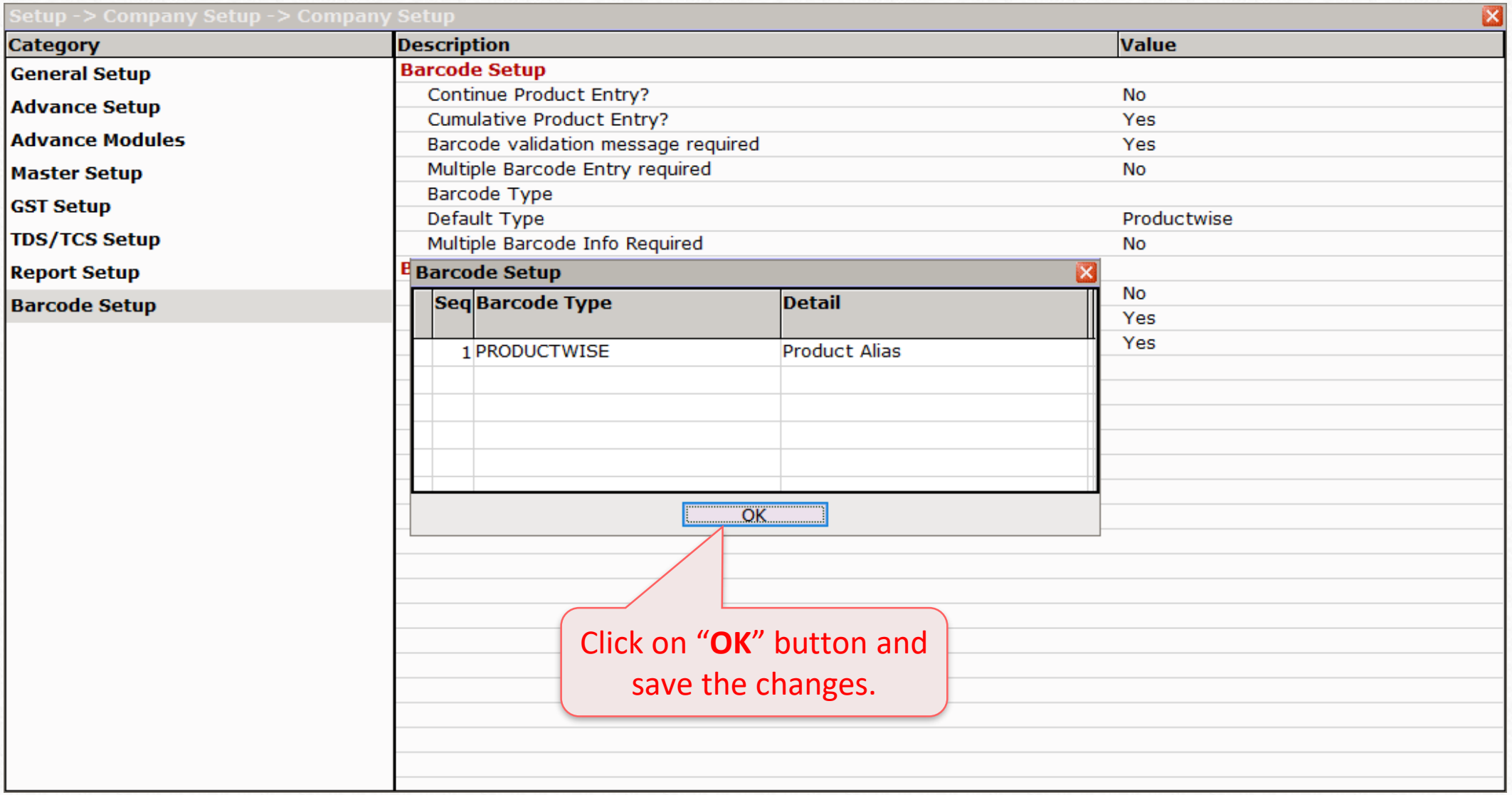

Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Barcode Setup
Description
Value
Barcode Setup
Continue Product Entry?
No
Cumulative Product Entry?
Yes
Barcode validation message required
Yes
Multiple Barcode Entry required
No
Barcode Type
Default Type
Productwise
Multiple Barcode Info Required
No
No
Yes
Yes
Barcode Setup
Seq
Barcode Type
Detail
OK
Press Enter in this window.

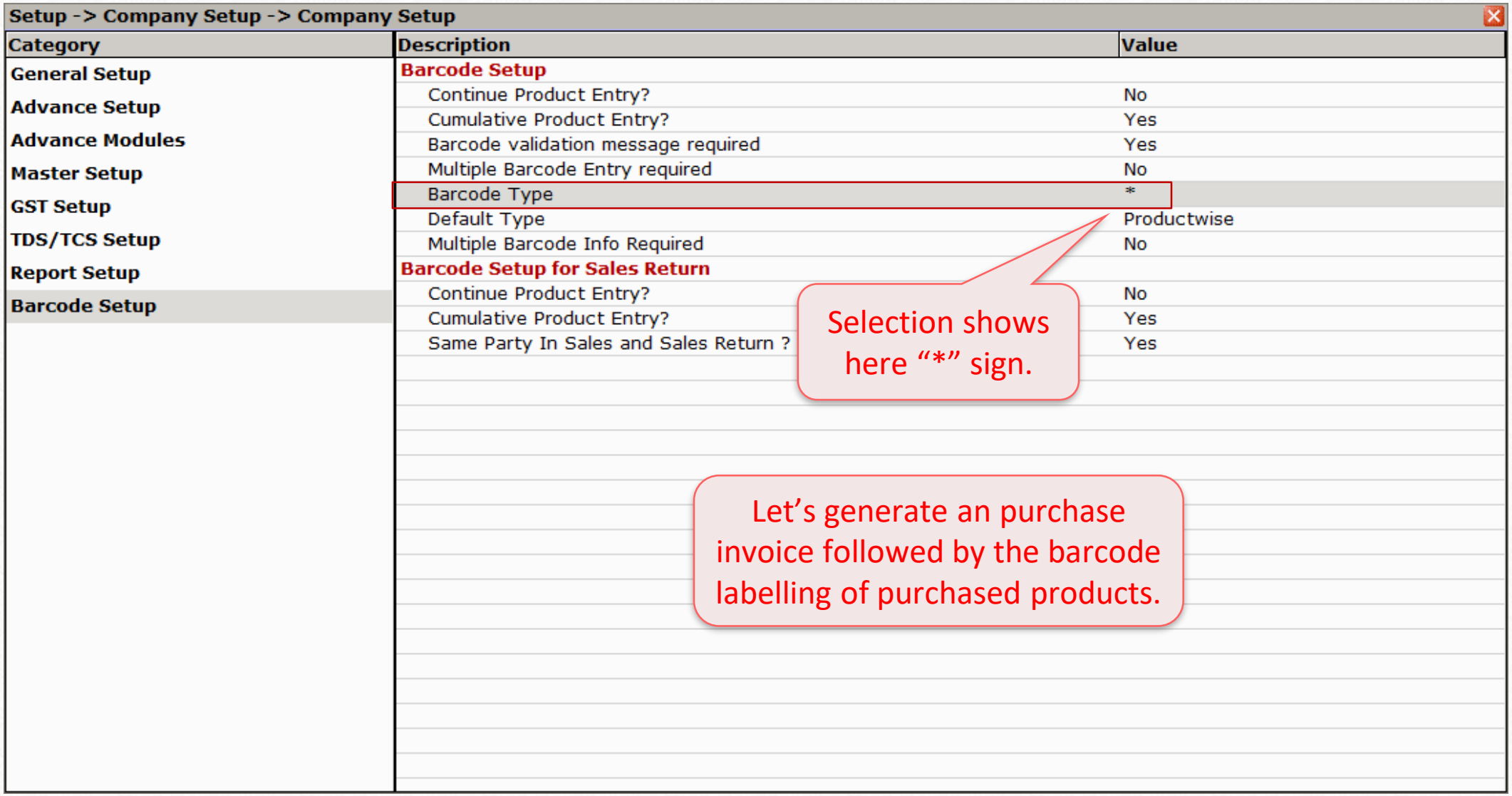
Select Barcode Type

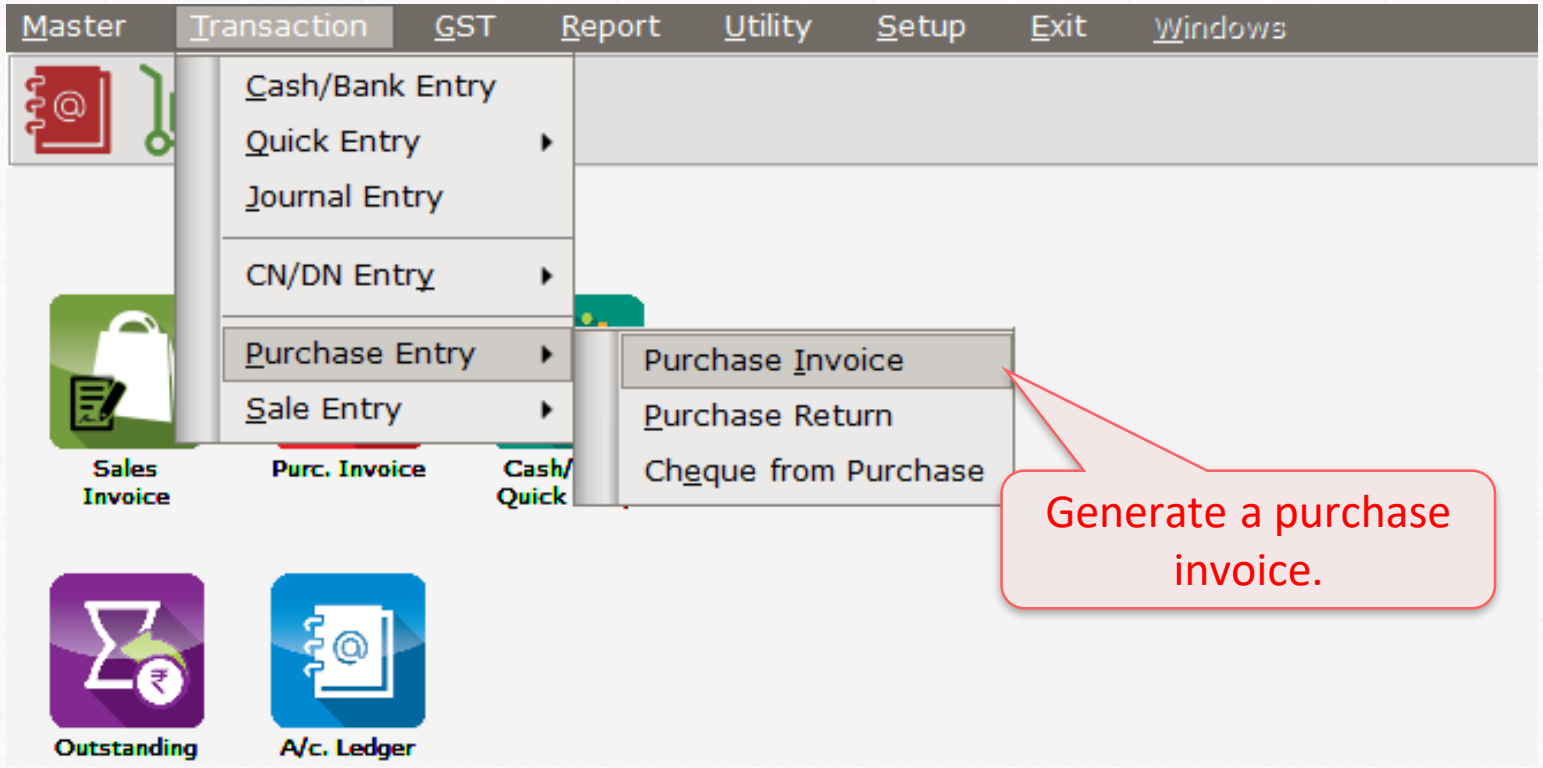


Select Field Name




Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Barcode Setup
Description
Value
Barcode Setup
Continue Product Entry?
No
Cumulative Product Entry?
Yes
Barcode validation message required
Yes
Multiple Barcode Entry required
No
Barcode Type
Default Type
Productwise
Multiple Barcode Info Required
No
Barcode Setup
Seq
Barcode Type
Detail
1
PRODUCTWISE
Product Alias
OK
No
Yes
Yes
Click on "OK" button and save the changes.


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Barcode Setup
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required No
Barcode Type *
Default Type Productwise
Multiple Barcode Info Required No
Barcode Setup for Sales Return
Continue Product Entry? No
Cumulative Product Entry? Yes
Same Party In Sales and Sales Return ? Yes
Selection shows here "*" sign.
Let's generate an purchase invoice followed by the barcode labelling of purchased products.


Master
Transaction
GST
Report
Utility
Setup
Exit
Windows
Cash/Bank Entry
Quick Entry
Journal Entry
CN/DN Entry
Purchase Entry
Sale Entry
Purchase Invoice
Purchase Return
Cheque from Purchase
Sales Invoice
Purc. Invoice
Cash/ Quick
Outstanding
A/c. Ledger
Generate a purchase invoice.

Purchase Invoice

Transaction -> Purchase Entry -> Purchase Invoice -> Add Purc. Bill(GST)

Cash/Debit	Debit	Invoice Type	GST	Vou Date	05/03/2020 Thu
Party A/c.	Deesha Enterprise	Purc A/c.		Voucher No	
	Rajkot	Tax/Bill of Supply	Tax Invoice	Bill No	GT/1
	Bal. : 1,28,617.00 DB			Bill Date	05/03/2020

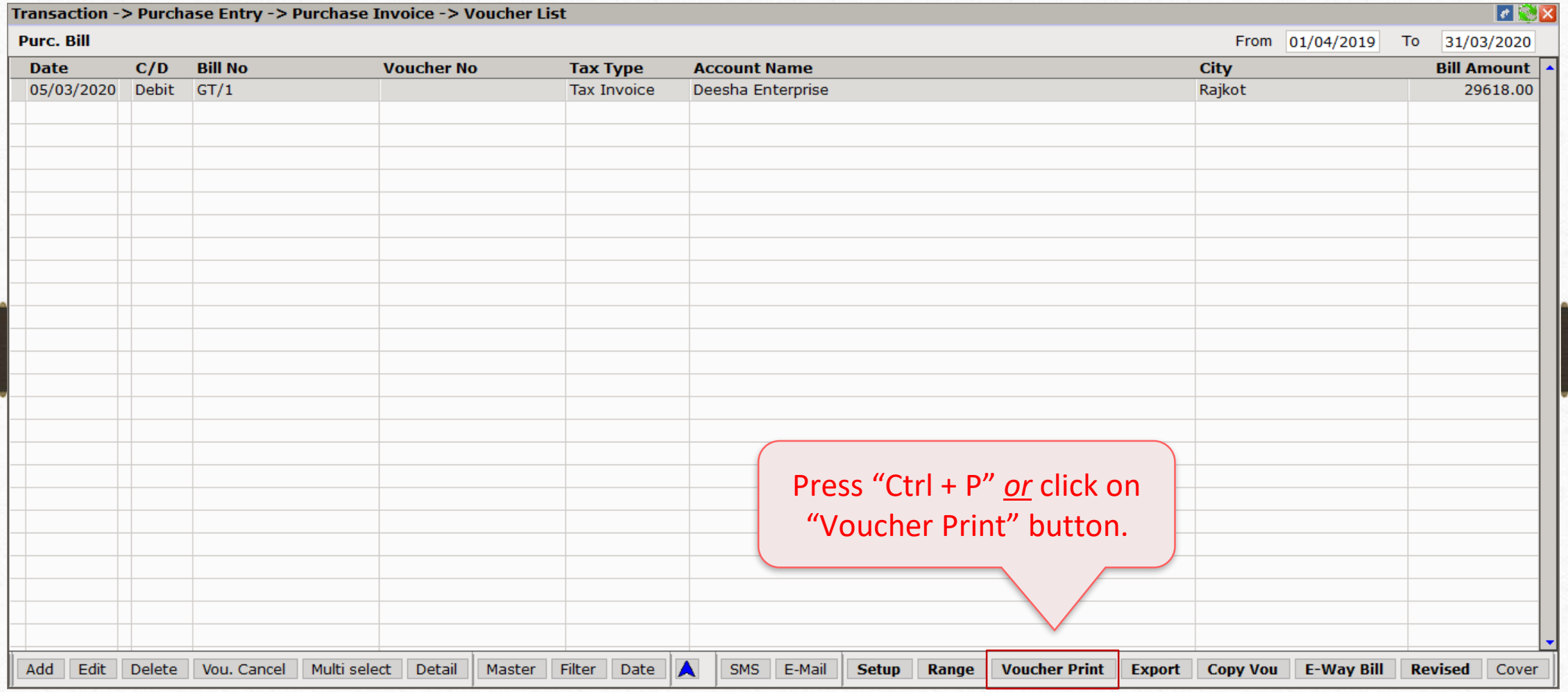
Product Name	Qty	Rate	Amount
LG. R. 26 NVND Refrigerator	1.000	25100.00	25100.00
Total Entry : 1	**1.000**		**25100.00**

An example of purchase invoice.

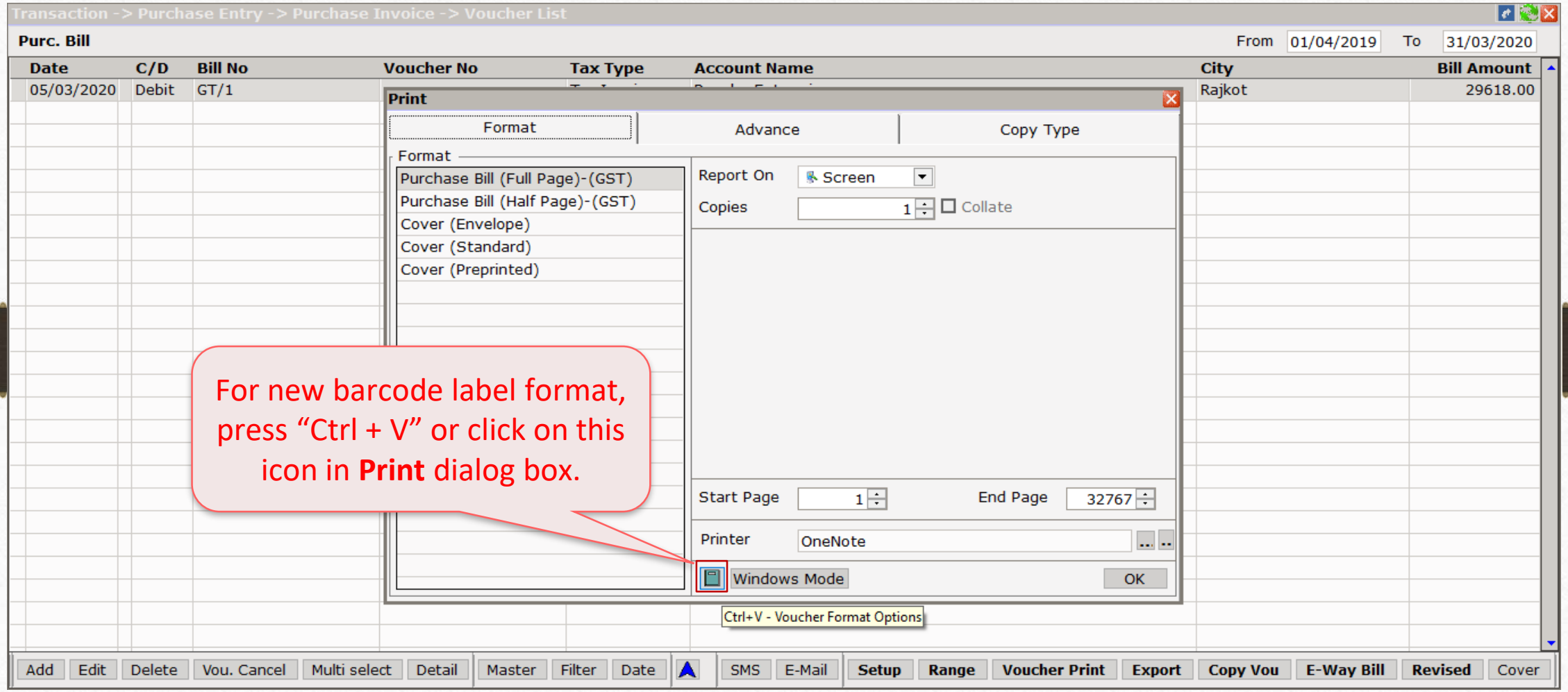
		Item Amount	**25,100.00 DB**
Discount		(-)	0.00
Freight Charges	Frieght Expense		0.00
Central Tax			2259.00
State/UT Tax			2259.00
Other Charges / Roun	Other Charges / Round Off		0.00
		Bill Amount	**29,618.00 CR**

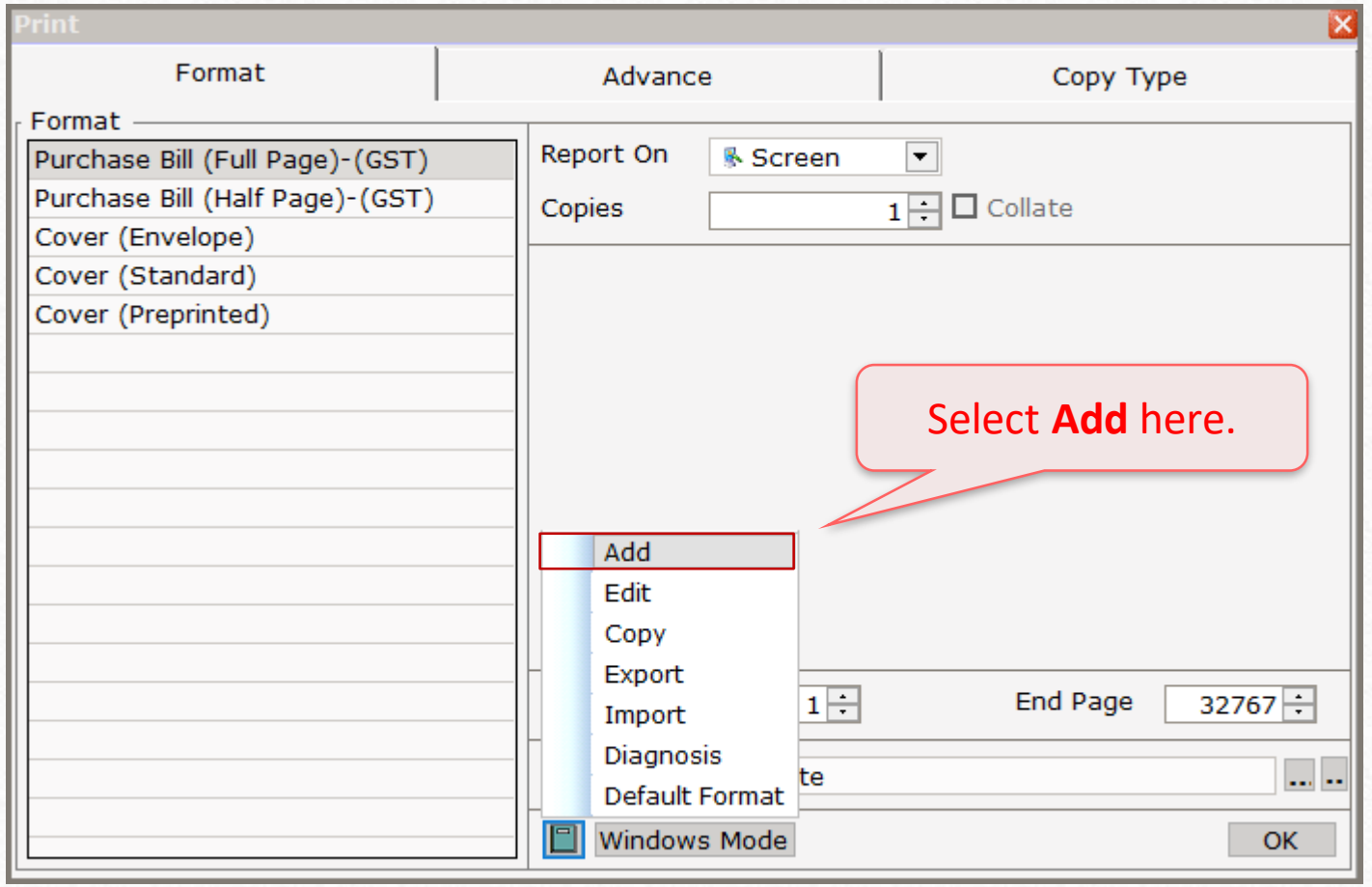
Narration

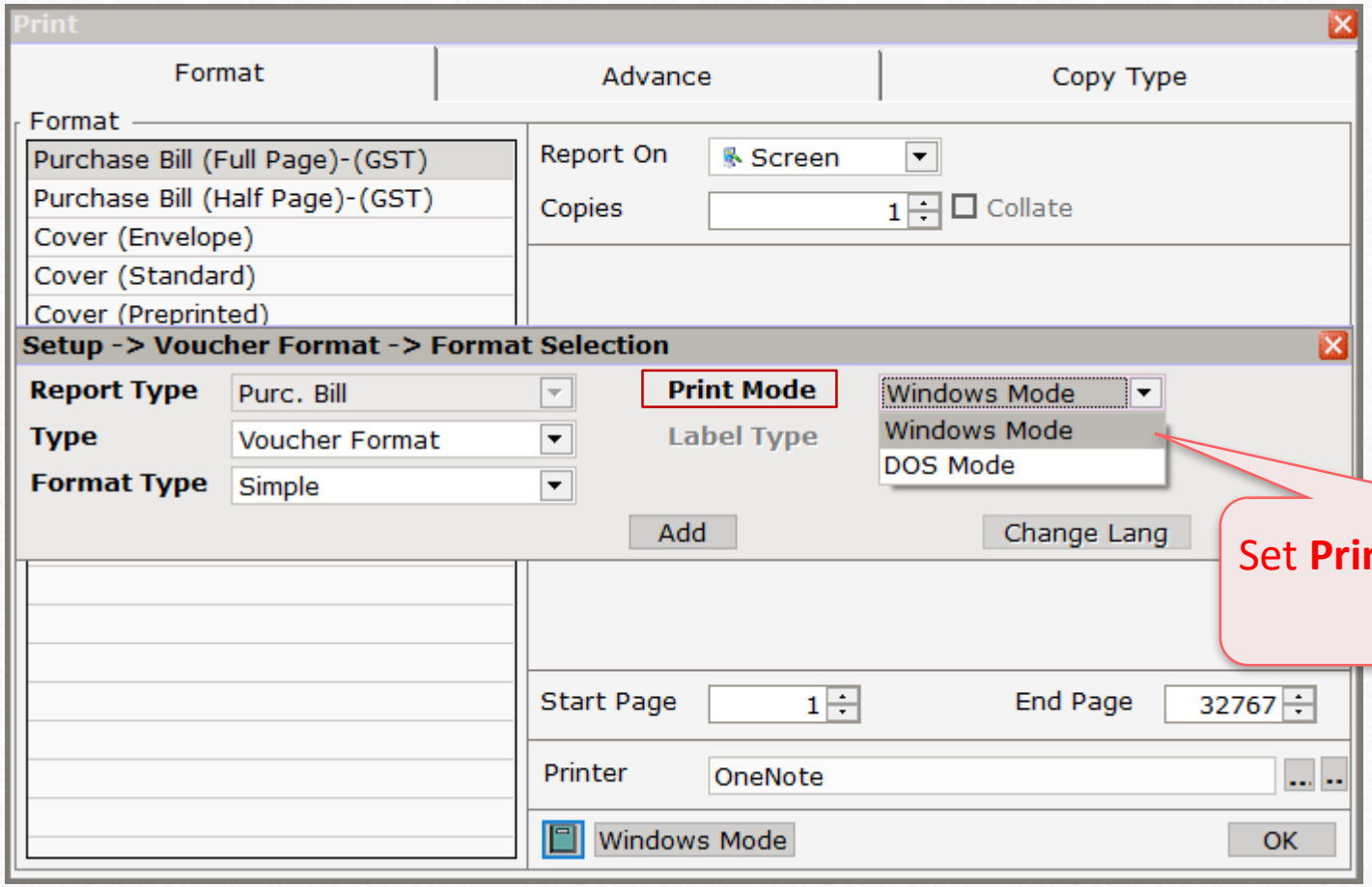
OK Print


Transaction -> Purchase Entry -> Purchase Invoice -> Voucher List
Purc. Bill
From 01/04/2019 To 31/03/2020
Date C/D Bill No Voucher No Tax Type Account Name City Bill Amount
05/03/2020 Debit GT/1 Tax Invoice Deesha Enterprise Rajkot 29618.00
Press "Ctrl + P" or click on "Voucher Print" button.
Add Edit Delete Vou. Cancel Multi select Detail Master Filter Date SMS E-Mail Setup Range Voucher Print Export Copy Vou E-Way Bill Revised Cover

Barcode labeling

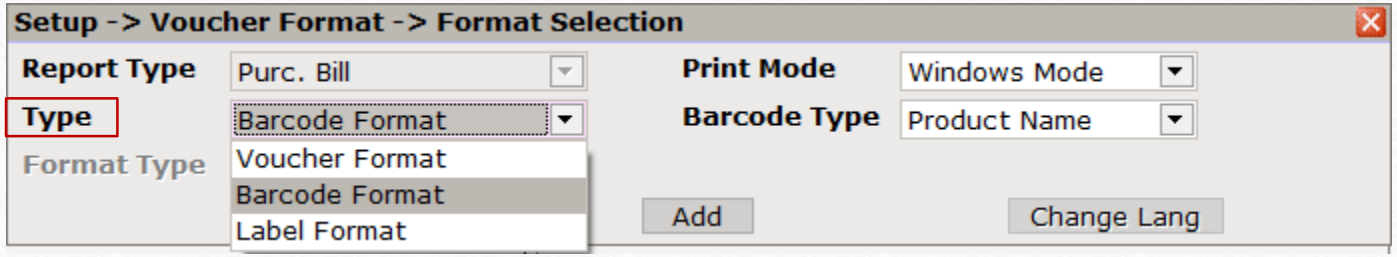

Transaction -> Purchase Entry -> Purchase Invoice -> Voucher List
Purc. Bill
From 01/04/2019 To 31/03/2020
Date C/D Bill No Voucher No Tax Type Account Name City Bill Amount
05/03/2020 Debit GT/1 Rajkot 29618.00
Print
Format
Advance
Copy Type
Format
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On Screen
Copies 1 Collate
Start Page 1 End Page 32767
Printer OneNote
Windows Mode
OK
Ctrl+V - Voucher Format Options
For new barcode label format, press “Ctrl + V” or click on this icon in Print dialog box.
Add Edit Delete Vou. Cancel Multi select Detail Master Filter Date SMS E-Mail Setup Range Voucher Print Export Copy Vou E-Way Bill Revised Cover

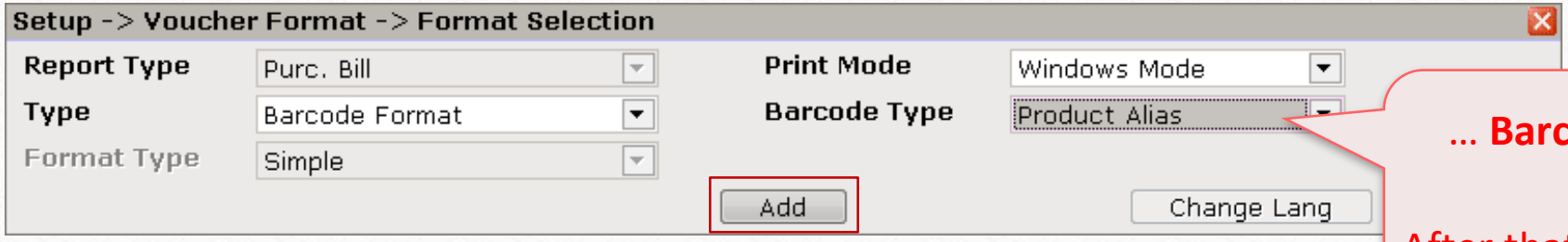

Print
Format
Advance
Copy Type
Format
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On
Screen
Copies
1
Collate
Select Add here.
Add
Edit
Copy
Export
Import
Diagnosis
Default Format
End Page
32767
Windows Mode
OK



Set **Print Mode: Windows Mode**.

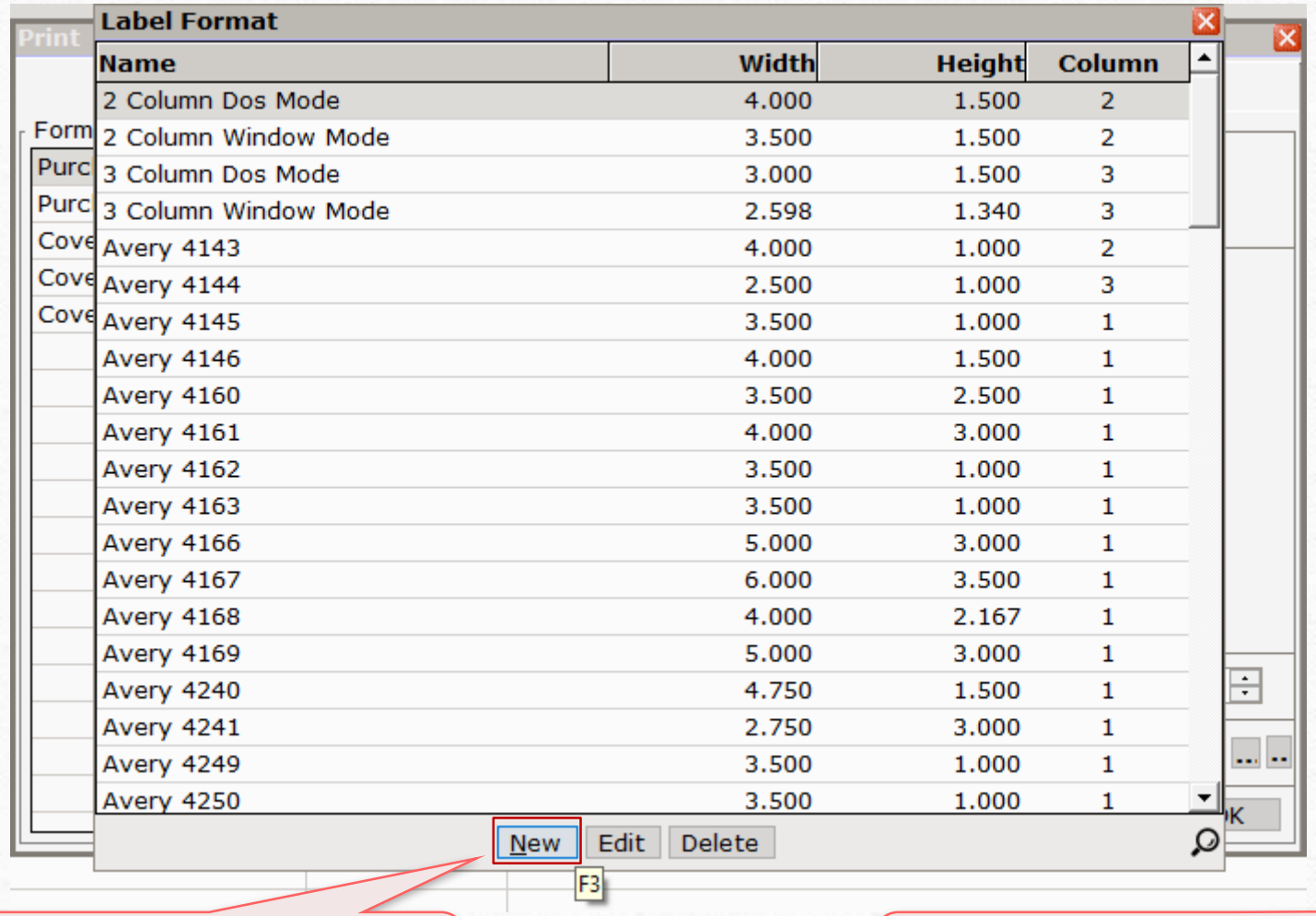
Set **Type: Barcode Format** and...





... **Barcode Type: Product Alias.**

After that click on **Add** button.

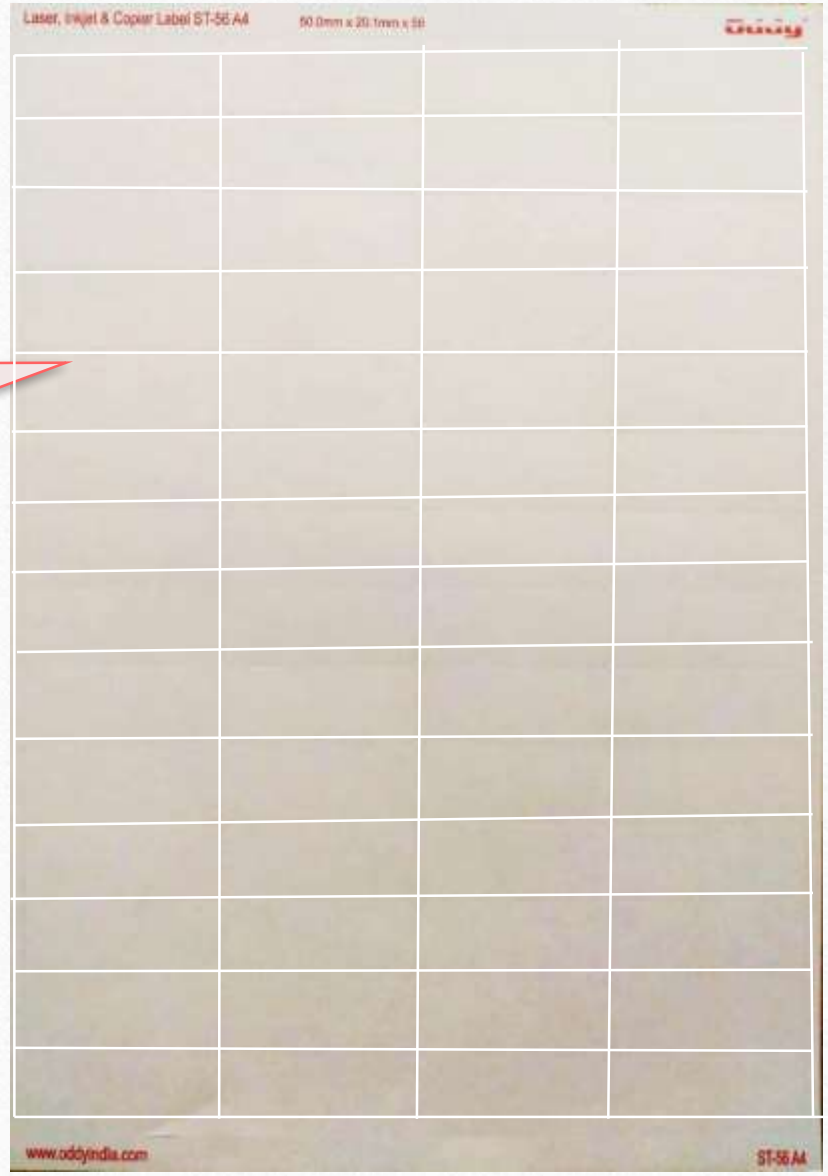


Next, click on **New** button *or* press short cut key: “F3”.

Before that, look at the label sheet and its margins.

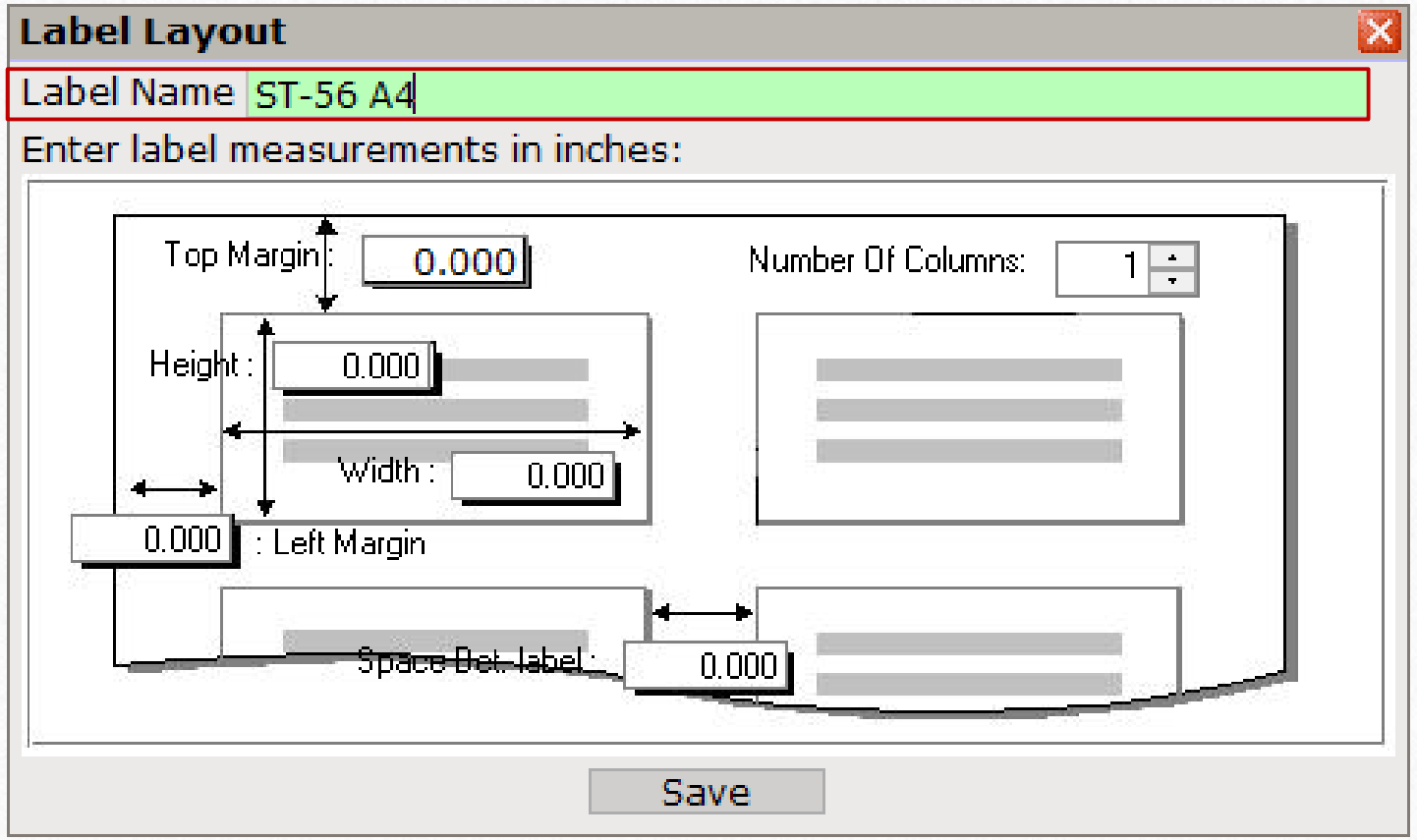
We have a **A4 size** label sheet of 4 × 14 stickers.

We will going to print barcode on this sticker labels.

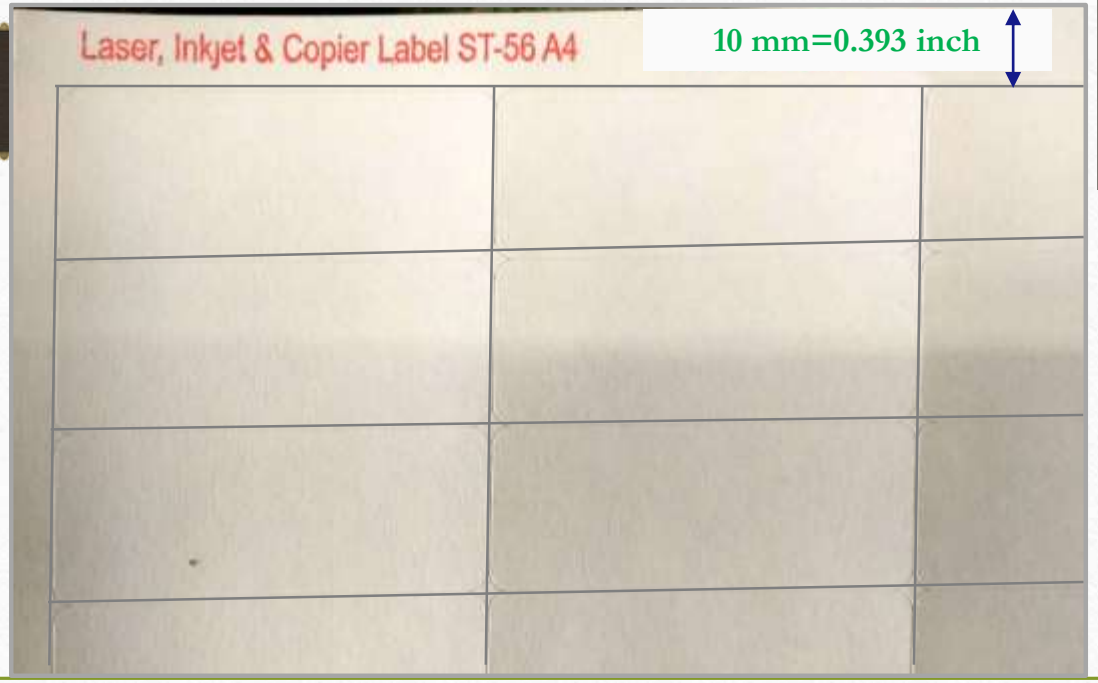


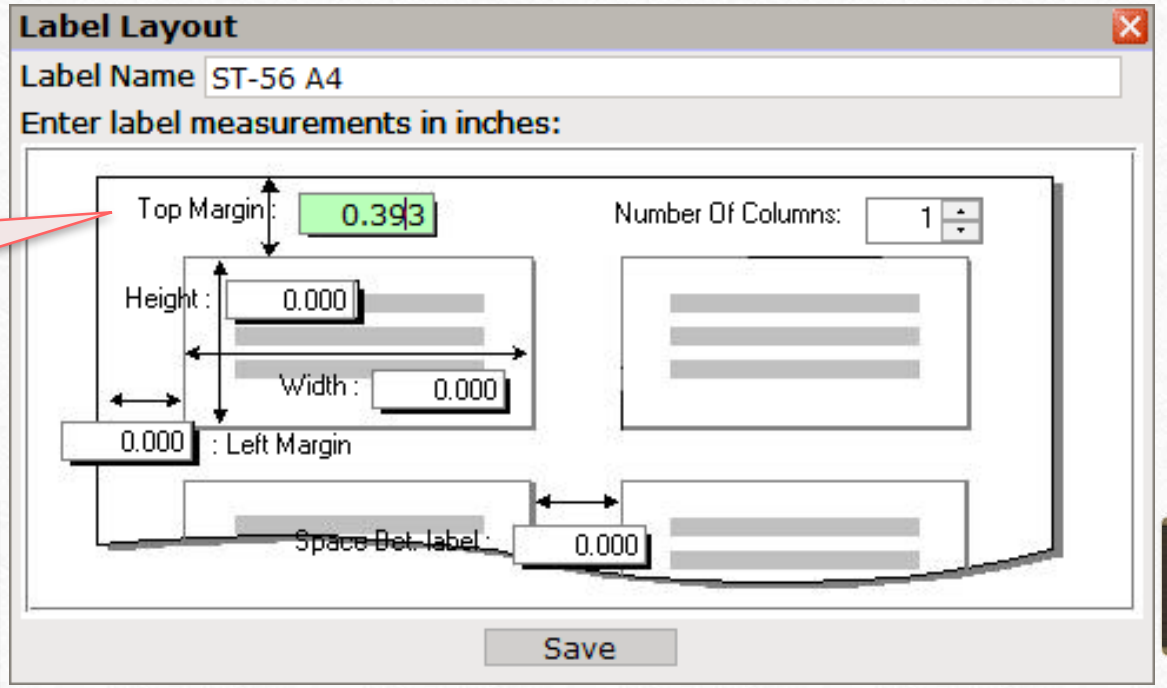
After clicking on **New** button…

… give your label a name and press **Tab**.

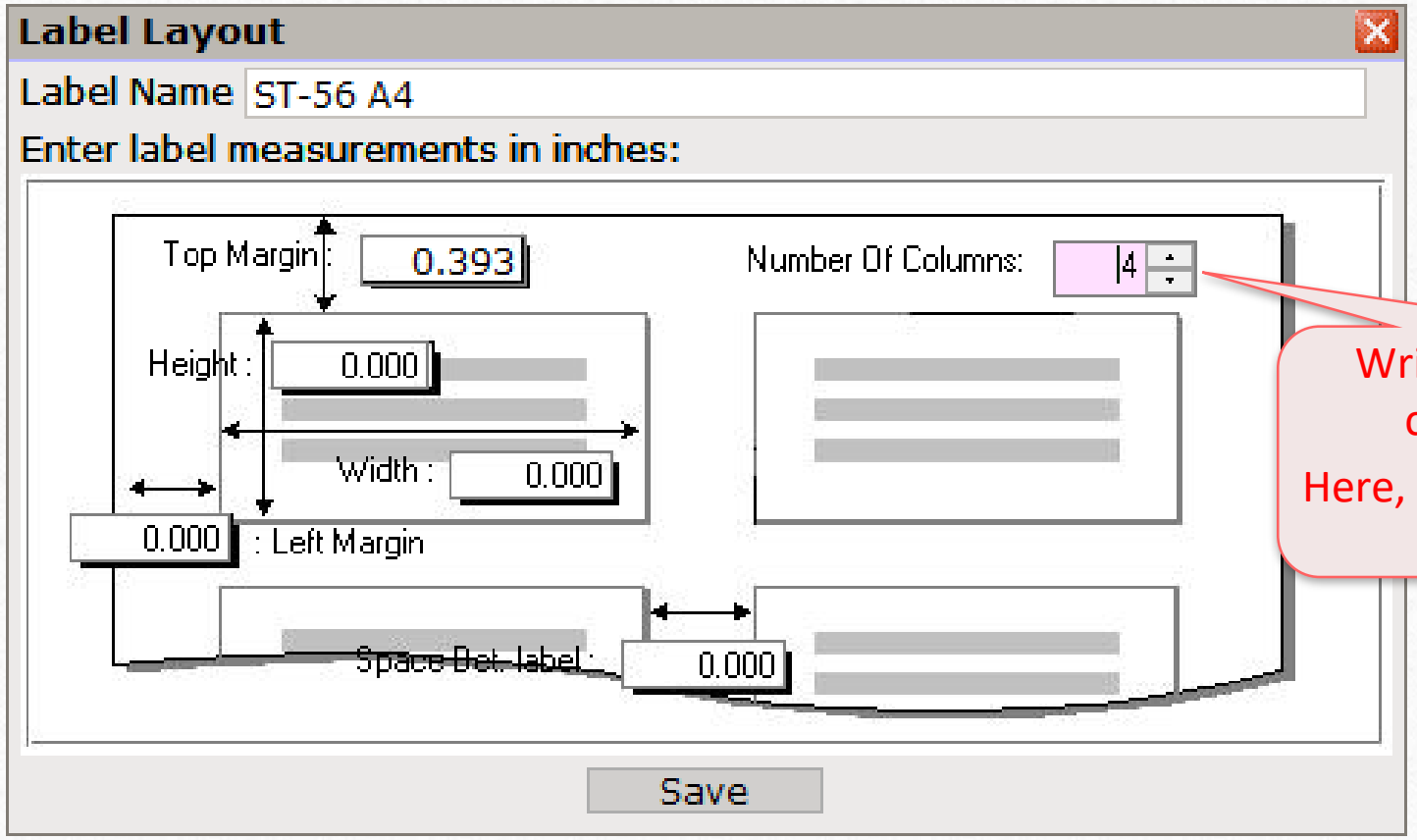


Measure **Top Margin** from the label sheet as shown in picture.





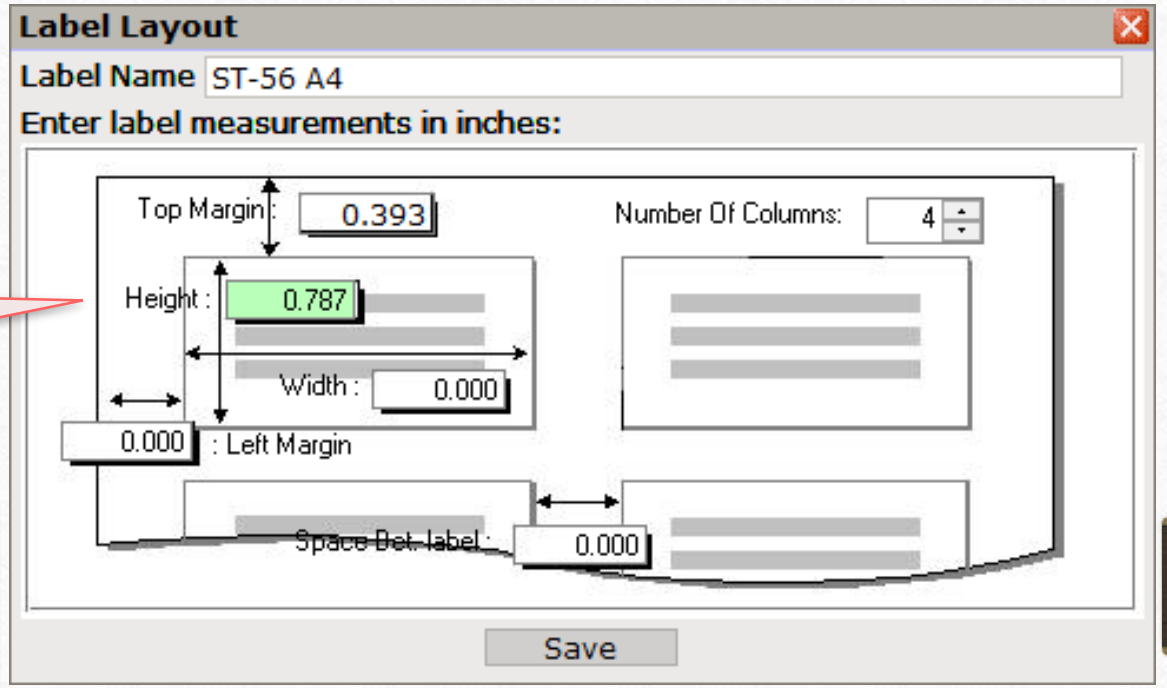
Note: Write all measurements in **inches** only.

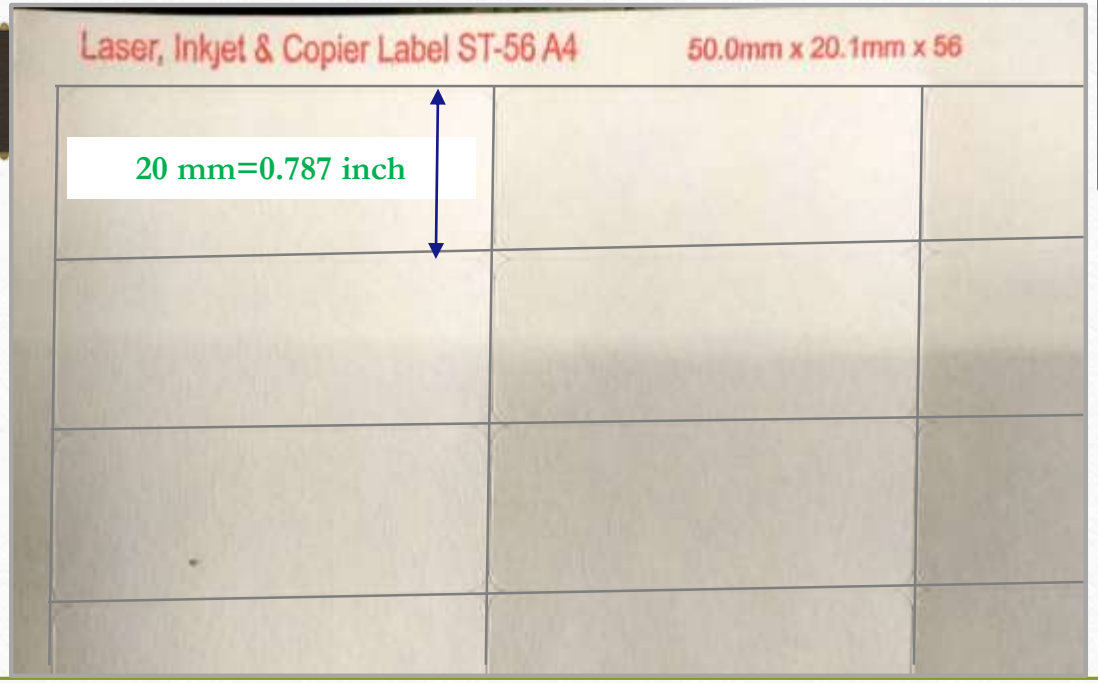


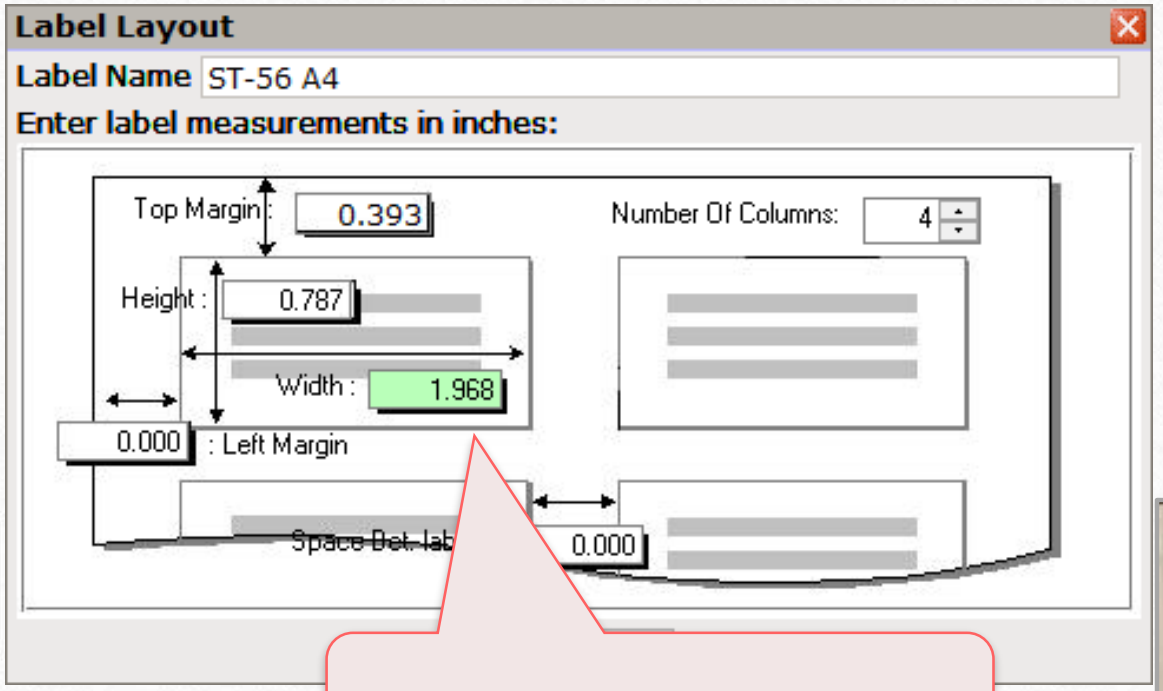
Write down total number of columns of label sheet.

Here, we have **4 columns** in sheet as clarified before.

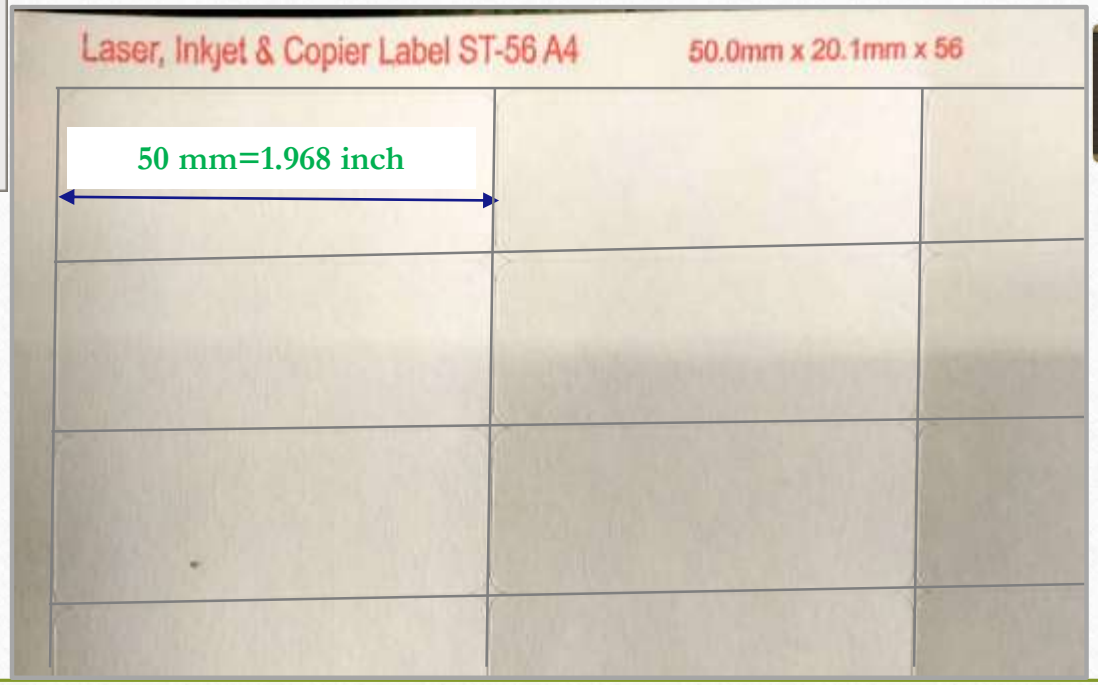
Measure height of a label and insert the value in **height** field. Then ...





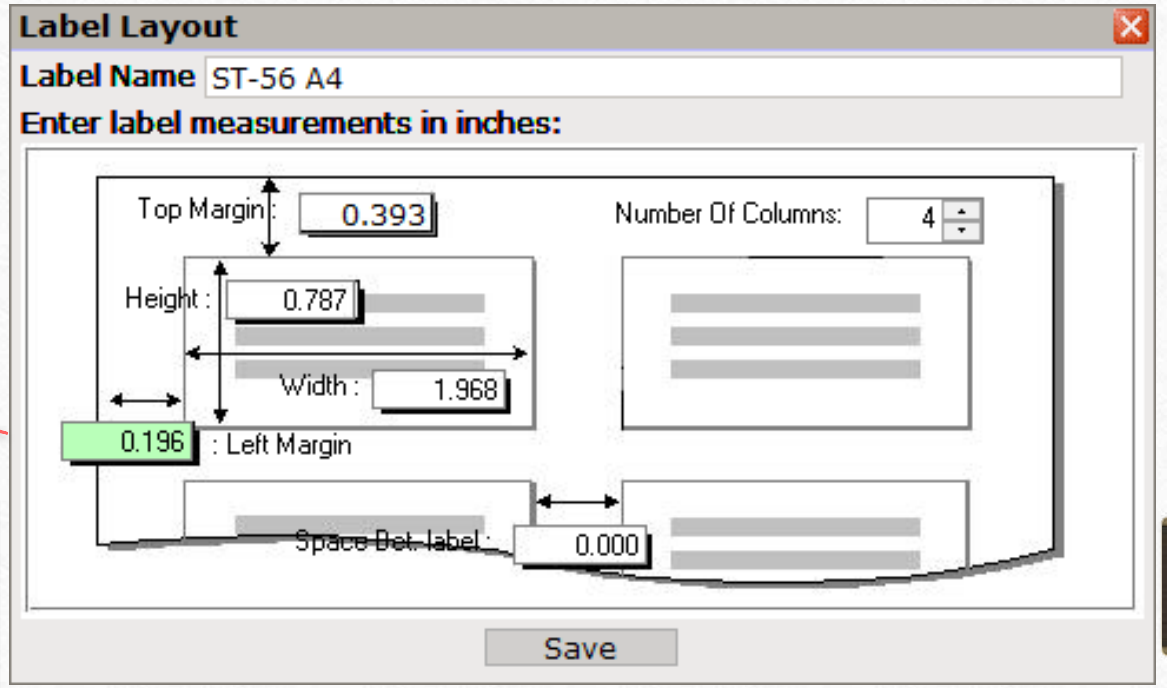


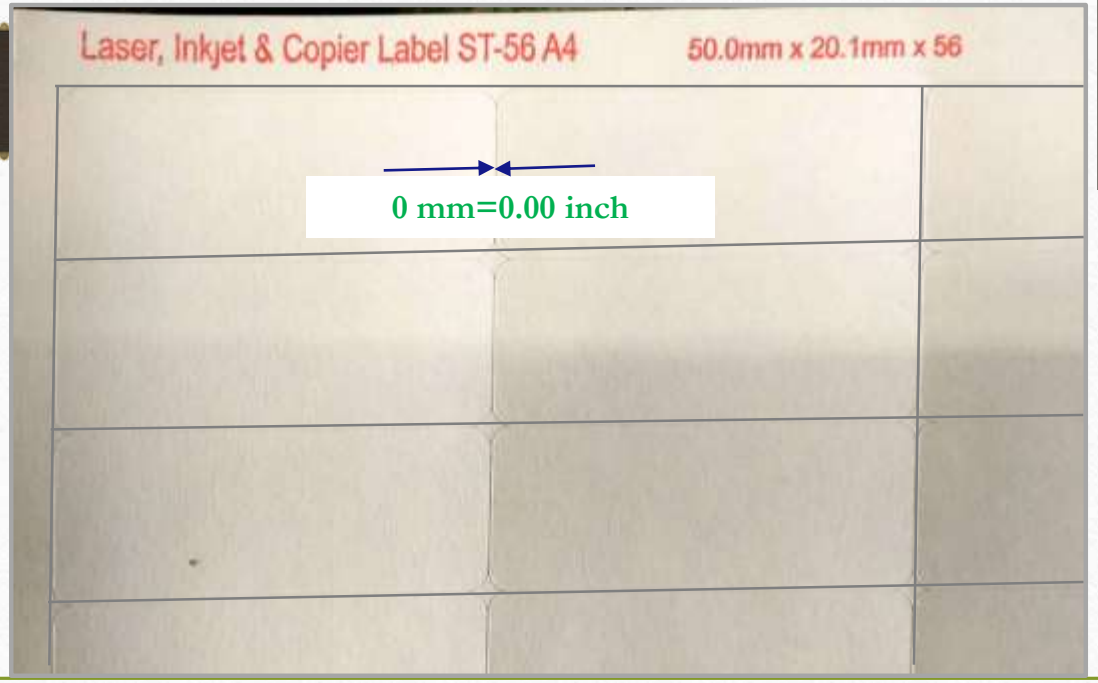
… measure **width** along with …

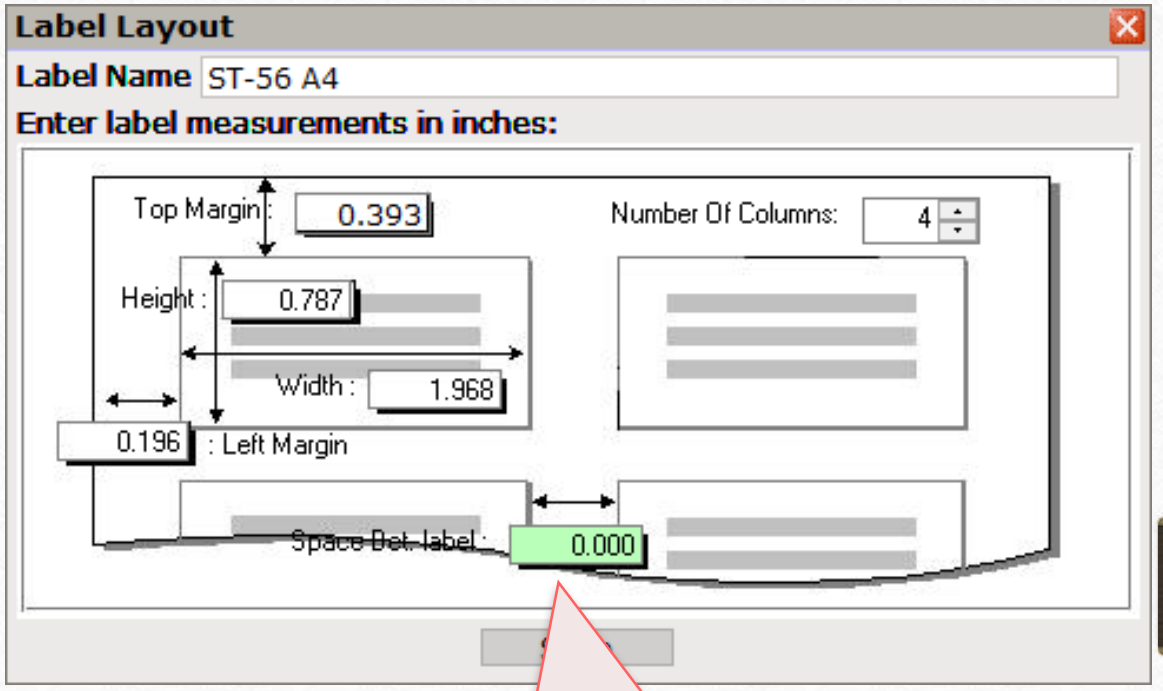


… left margin.

Laser, Inkjet & Copier Label ST-56 A4
50.0mm x 20.1mm x 56
5 mm=0.196 inch

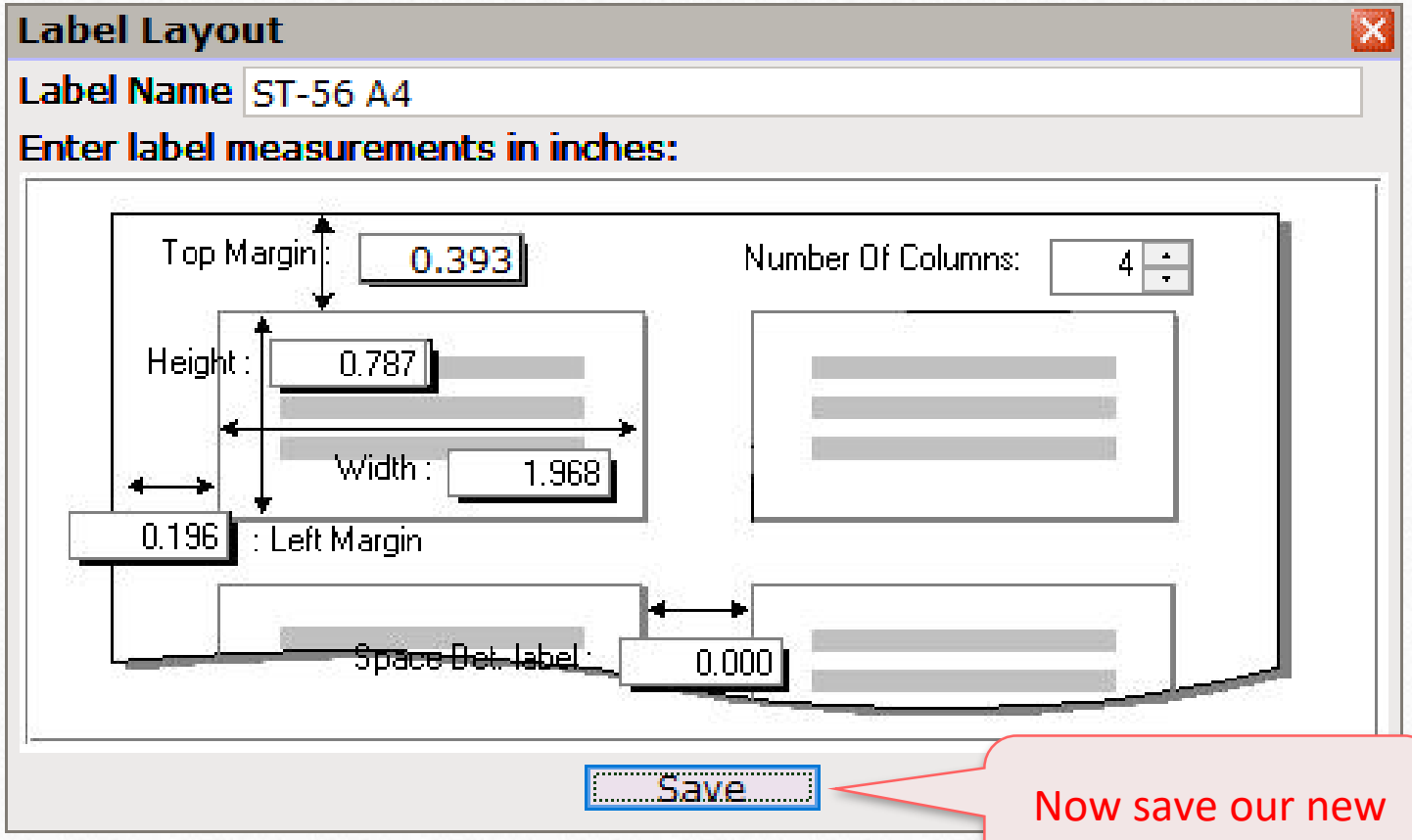

Label Layout
Label Name ST-56 A4
Enter label measurements in inches:
Top Margin: 0.393
Number Of Columns: 4
Height : 0.787
Width : 1.968
0.196 : Left Margin
Space Bet. label : 0.000
Save

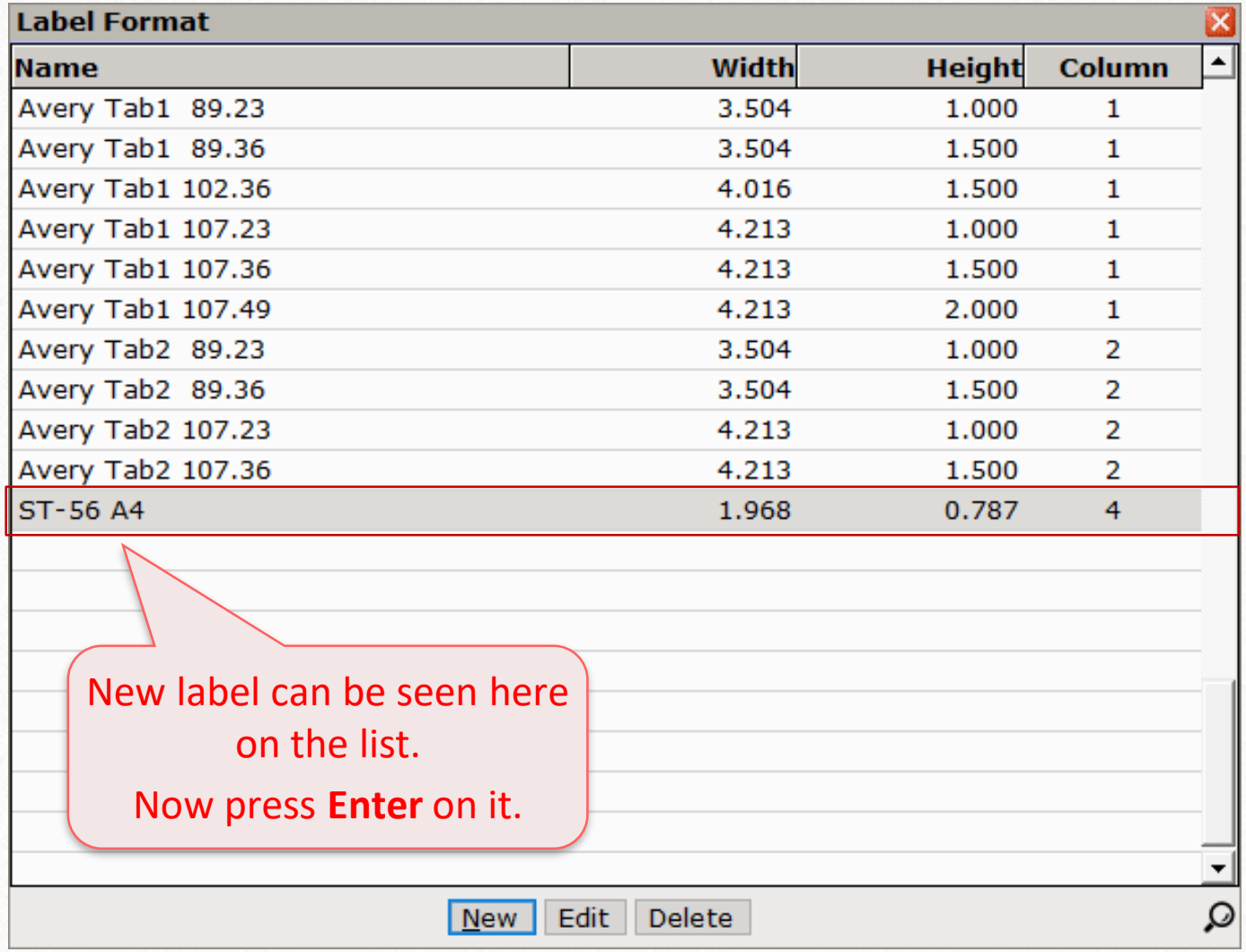


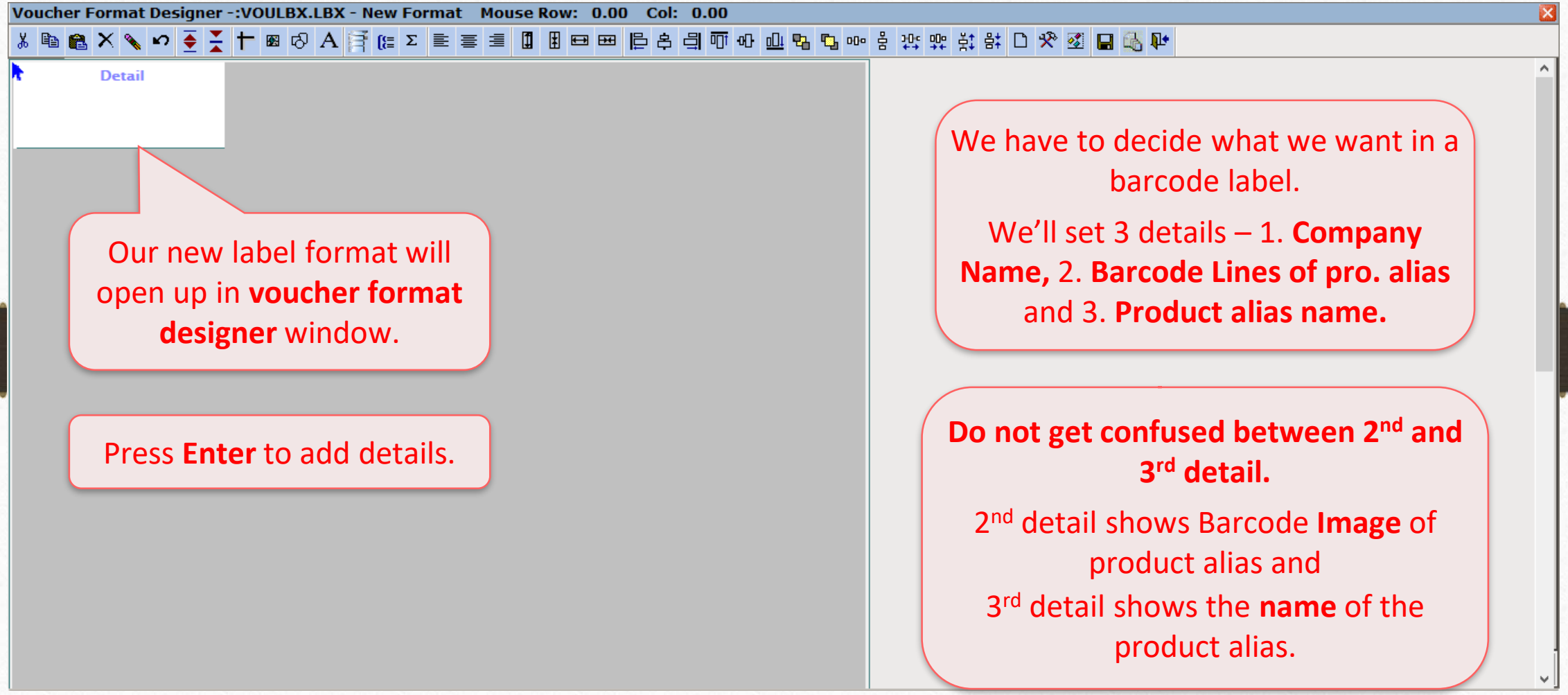


Also, write down margin of space between two adjacent labels.

In our case, there is no space. So it will be 0.00 inch.


Label Layout
Label Name ST-56 A4
Enter label measurements in inches:
Top Margin: 0.393
Number Of Columns: 4
Height : 0.787
Width : 1.968
0.196 : Left Margin
Space Bet. label : 0.000
Save
Now save our new label format.


Label Format
Name
Width
Height
Column
Avery Tab1 89.23 3.504 1.000 1
Avery Tab1 89.36 3.504 1.500 1
Avery Tab1 102.36 4.016 1.500 1
Avery Tab1 107.23 4.213 1.000 1
Avery Tab1 107.36 4.213 1.500 1
Avery Tab1 107.49 4.213 2.000 1
Avery Tab2 89.23 3.504 1.000 2
Avery Tab2 89.36 3.504 1.500 2
Avery Tab2 107.23 4.213 1.000 2
Avery Tab2 107.36 4.213 1.500 2
ST-56 A4 1.968 0.787 4
New label can be seen here on the list.
Now press Enter on it.
New
Edit
Delete



Our new label format will open up in **voucher format designer** window.

Press **Enter** to add details.

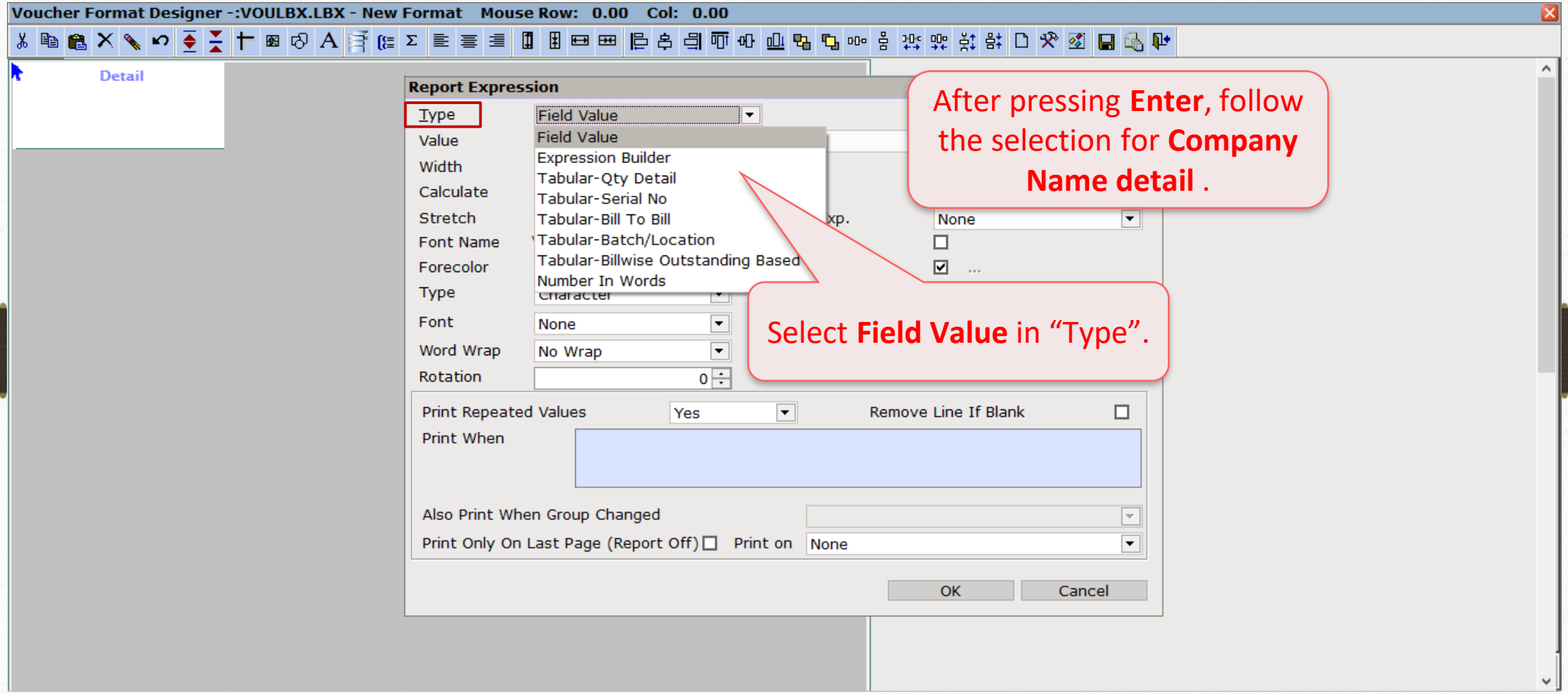
We have to decide what we want in a barcode label.

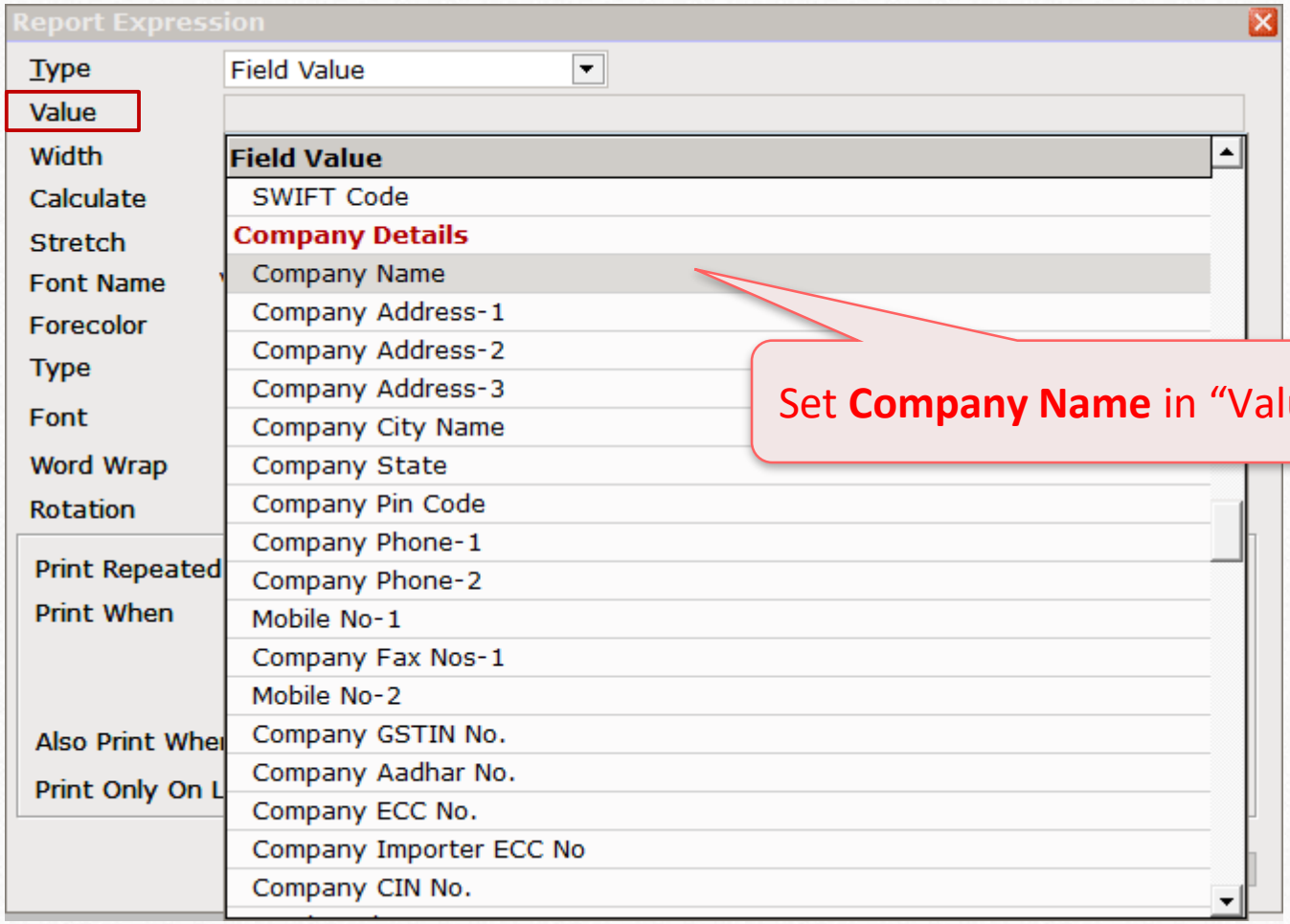
We'll set 3 details – 1. **Company Name,** 2. **Barcode Lines of pro. alias** and 3. **Product alias name.**

Do not get confused between 2nd and 3rd detail.

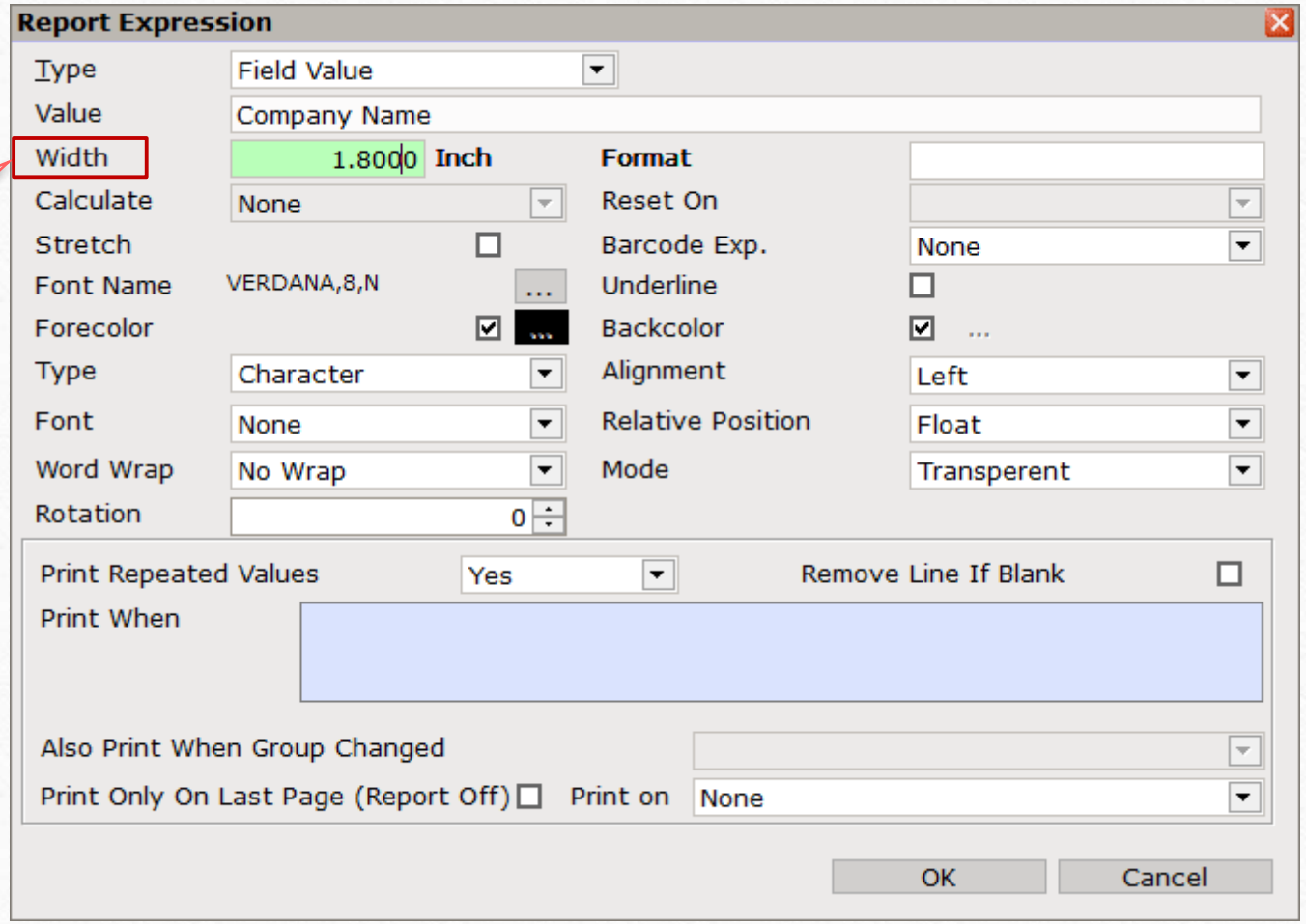
2nd detail shows Barcode **Image** of product alias and

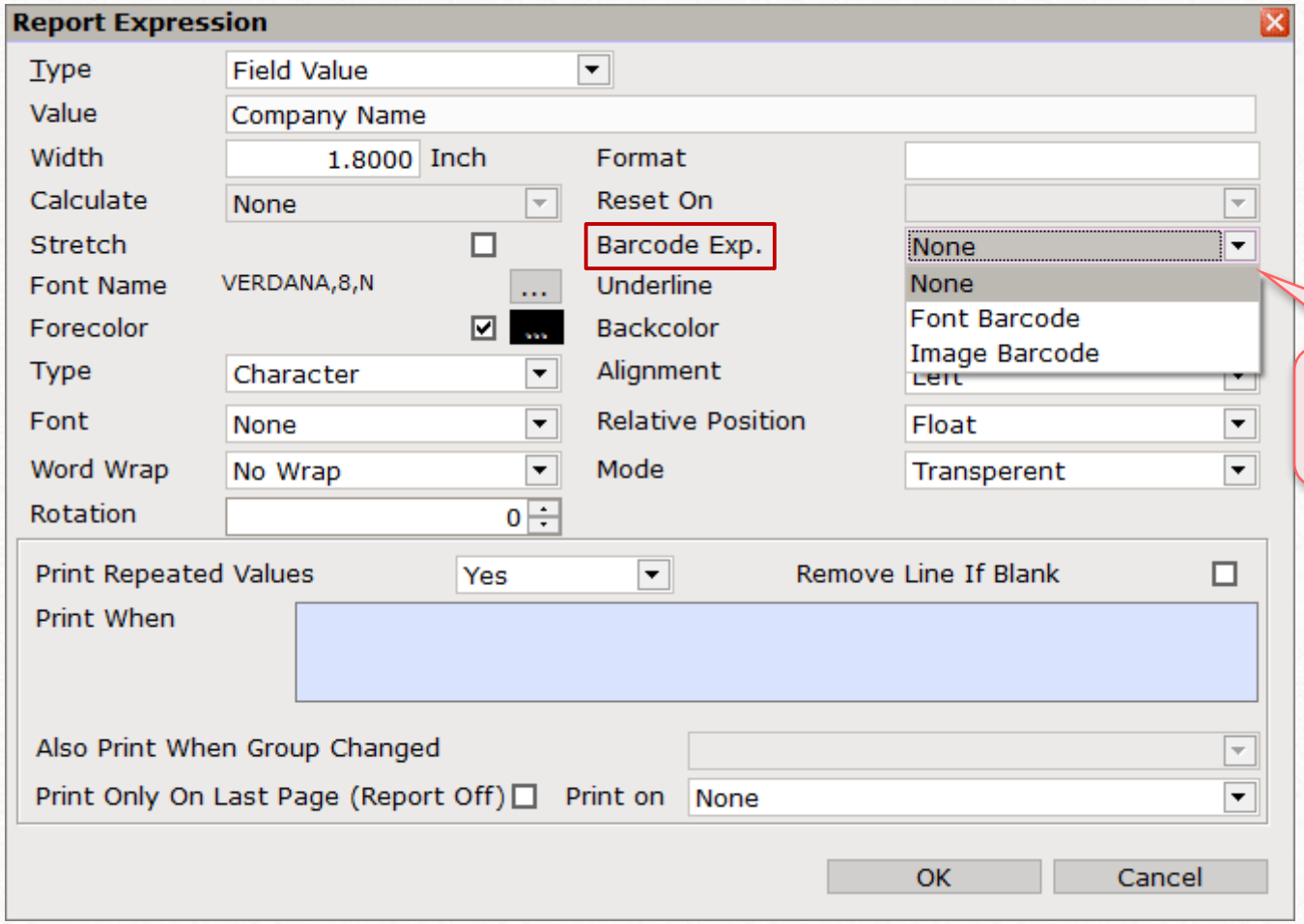
3rd detail shows the **name** of the product alias.


Voucher Format Designer -:VOULBX.LBX - New Format Mouse Row: 0.00 Col: 0.00
Detail
Report Expression
Type
Field Value
Value
Width
Calculate
Stretch
Font Name
Forecolor
Type
Font
None
Word Wrap
No Wrap
Rotation
0
Field Value
Expression Builder
Tabular-Qty Detail
Tabular-Serial No
Tabular-Bill To Bill
Tabular-Batch/Location
Tabular-Billwise Outstanding Based
Number In Words
Print Repeated Values
Yes
Remove Line If Blank
Print When
Also Print When Group Changed
Print Only On Last Page (Report Off)
Print on
None
OK
Cancel
After pressing Enter, follow the selection for Company Name detail .
Select Field Value in "Type".

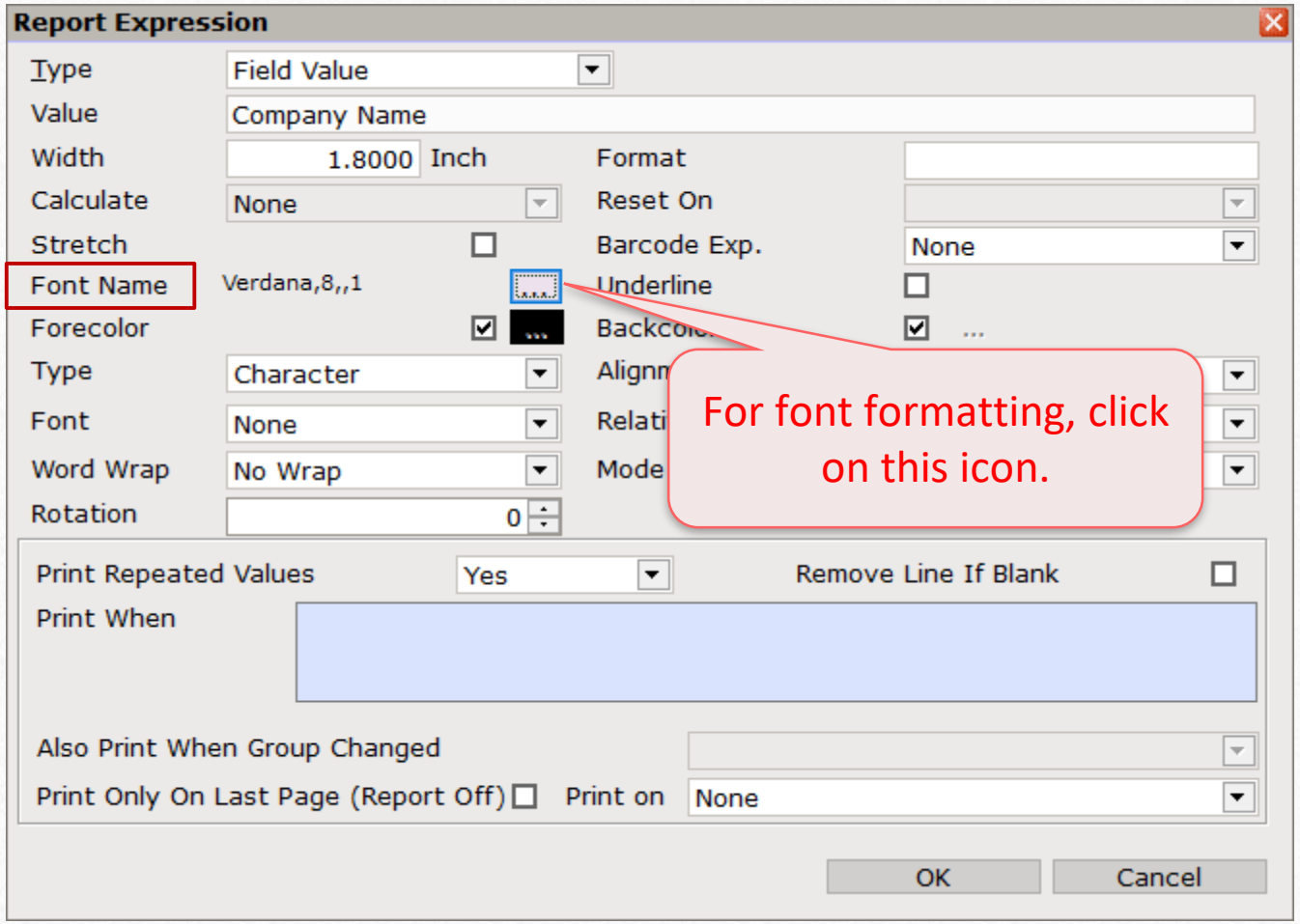

Report Expression
Type
Field Value
Value
Width
Calculate
Stretch
Font Name
Forecolor
Type
Font
Word Wrap
Rotation
Print Repeated
Print When
Also Print Whe
Print Only On L
Field Value
SWIFT Code
Company Details
Company Name
Company Address-1
Company Address-2
Company Address-3
Company City Name
Company State
Company Pin Code
Company Phone-1
Company Phone-2
Mobile No-1
Company Fax Nos-1
Mobile No-2
Company GSTIN No.
Company Aadhar No.
Company ECC No.
Company Importer ECC No
Company CIN No.
Set Company Name in "Value".

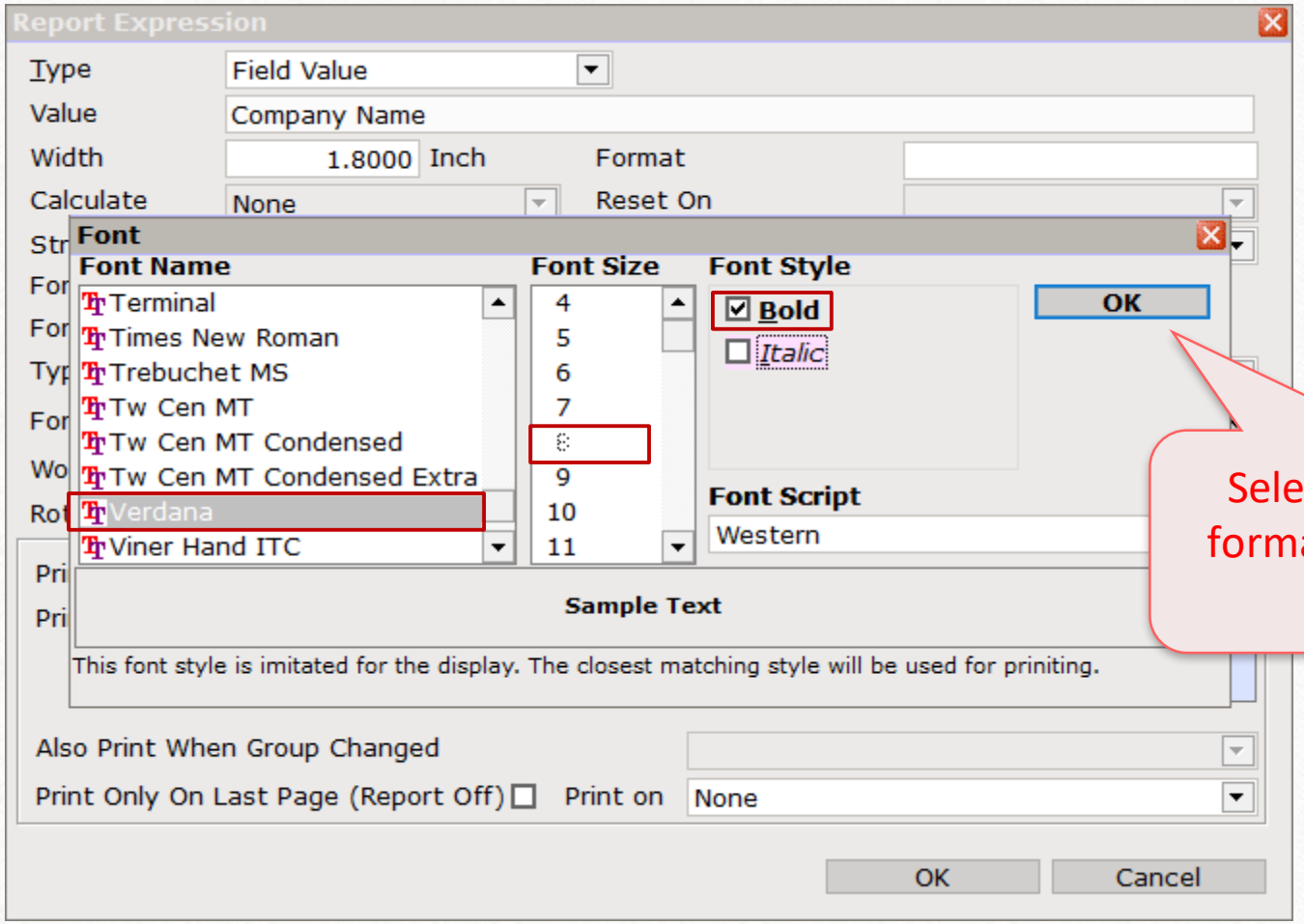
Set your preferred width of the box of Company Name detail.



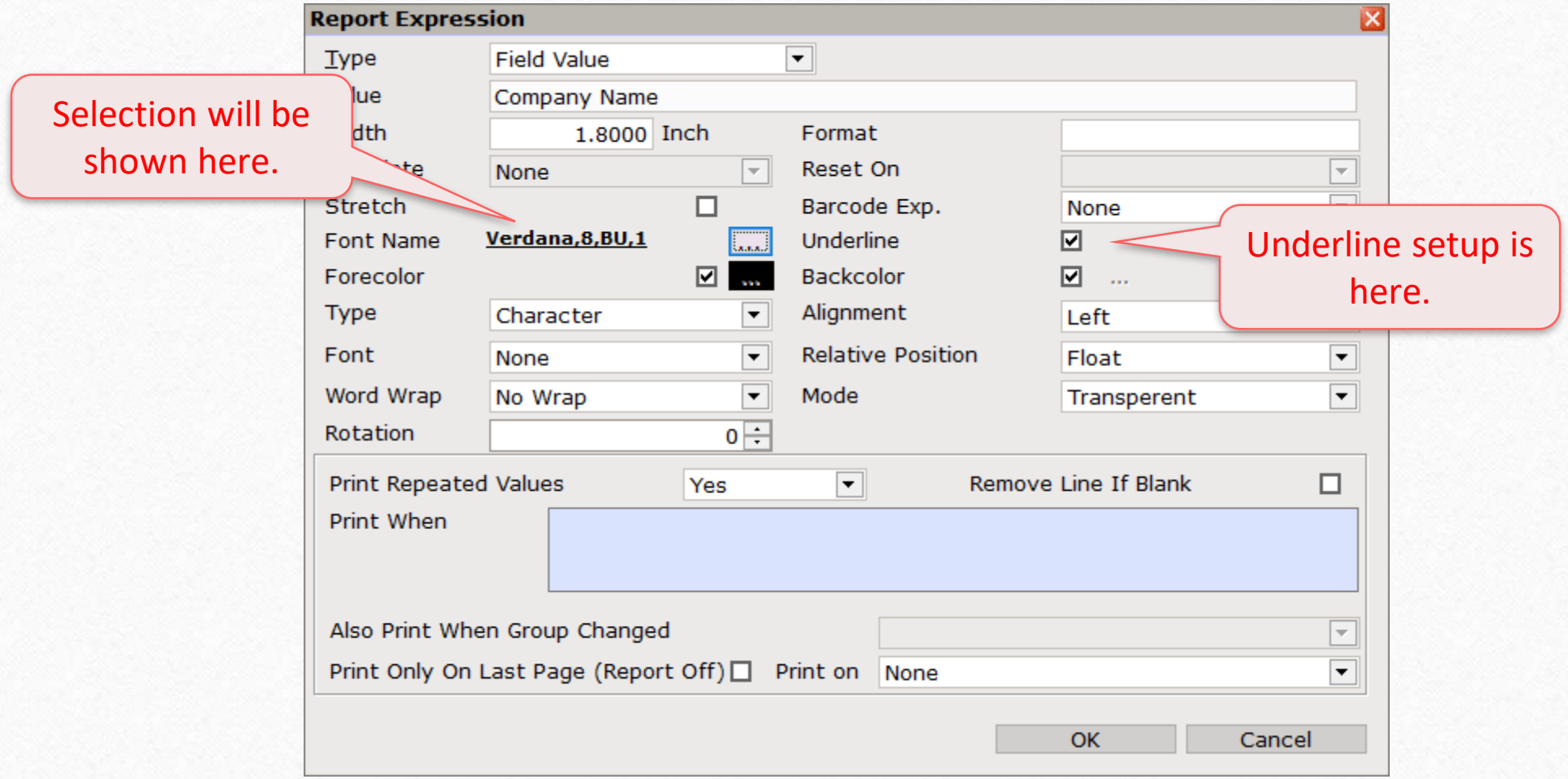


None in "Barcode Expression".


Report Expression
Type
Field Value
Value
Company Name
Width
1.8000
Inch
Format
Calculate
None
Reset On
Stretch
Barcode Exp.
None
Font Name
Verdana,8,,1
Underline
Forecolor
Type
Character
Font
None
Word Wrap
No Wrap
Rotation
0
For font formatting, click on this icon.
Print Repeated Values
Yes
Remove Line If Blank
Print When
Also Print When Group Changed
Print Only On Last Page (Report Off)
Print on
None
OK
Cancel

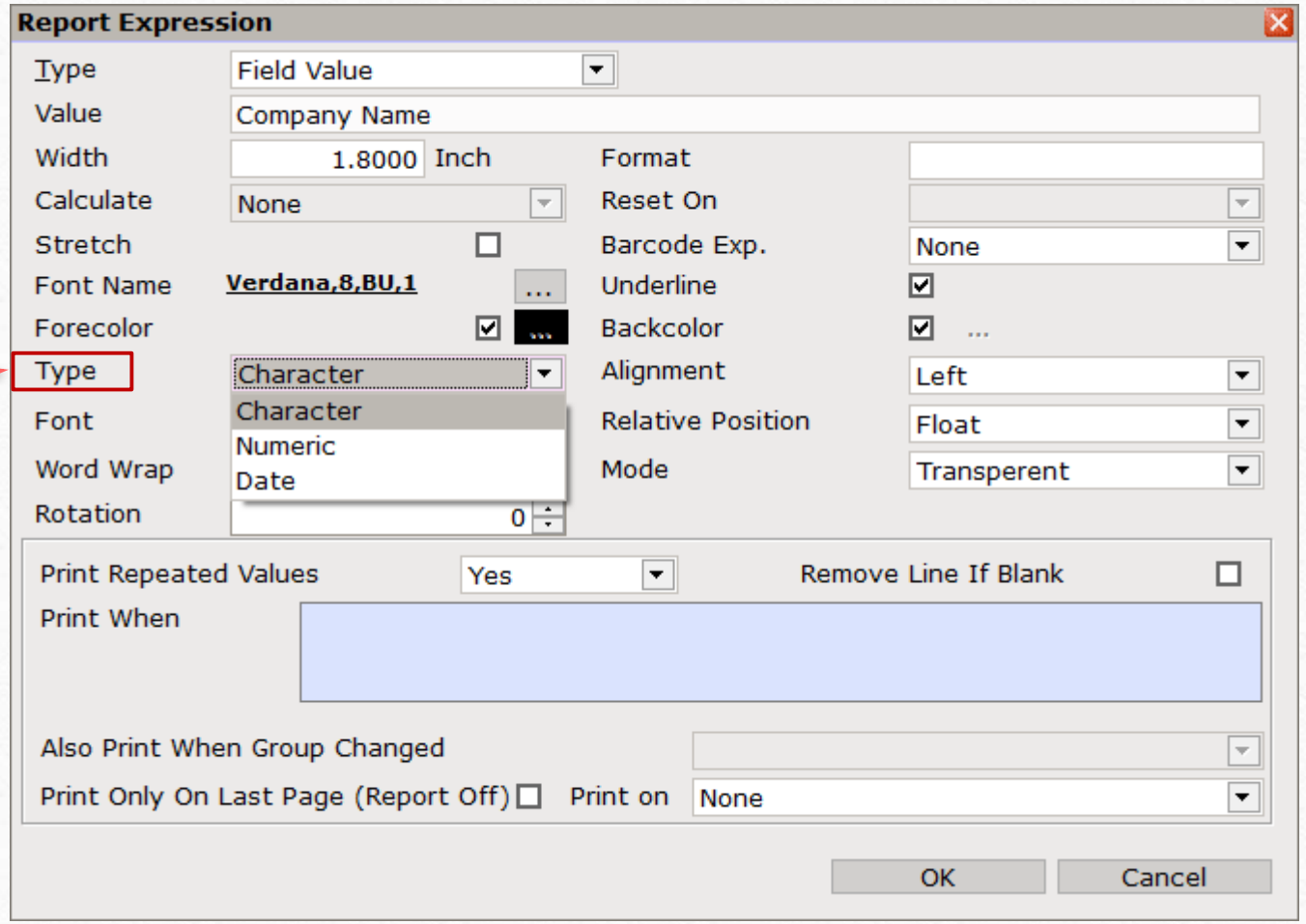


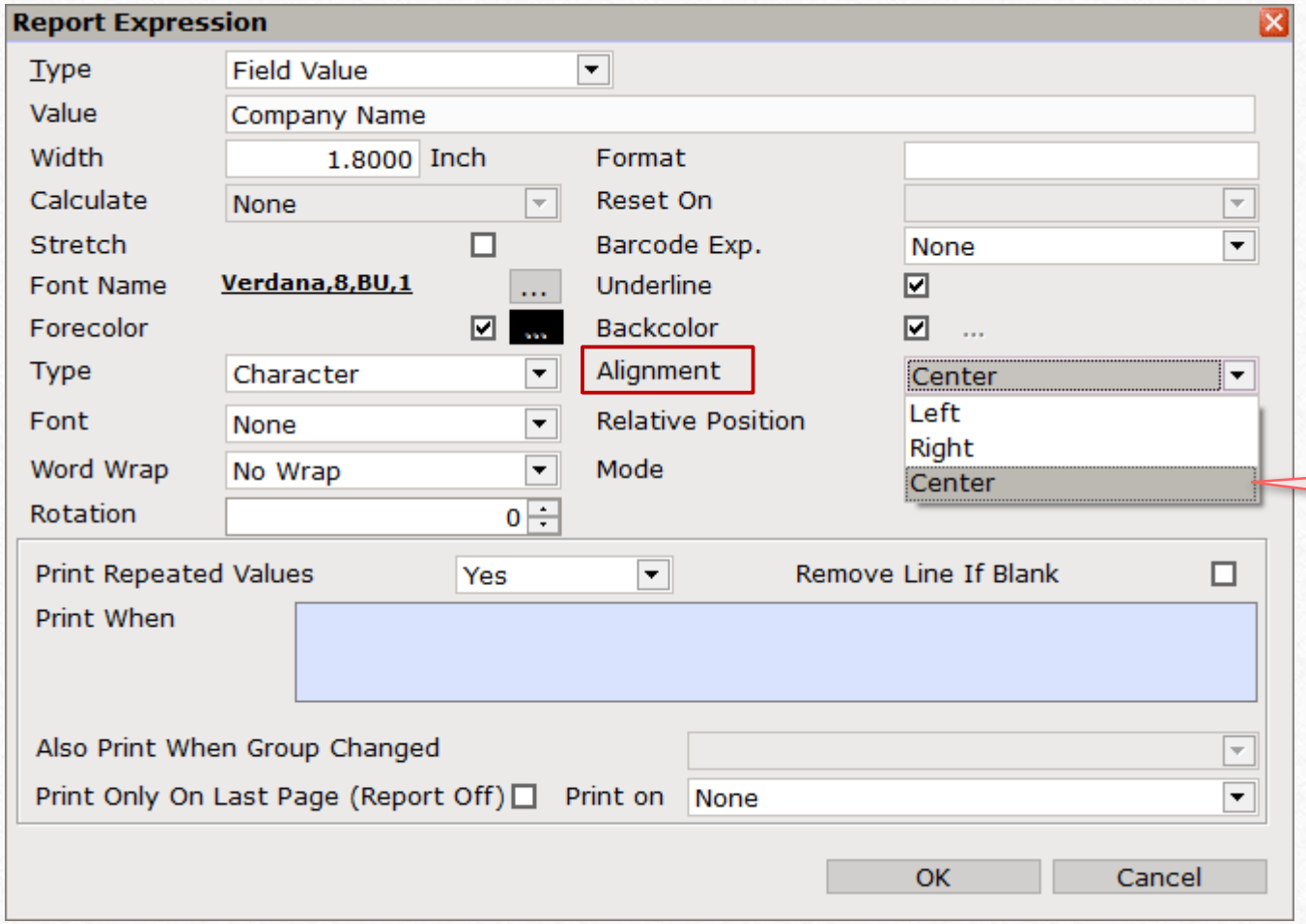
Select preferred font formatting and click on "OK" button.


Report Expression
Type
Field Value
Company Name
1.8000 Inch
Format
None
Reset On
Stretch
Barcode Exp.
None
Font Name
Verdana,8,BU,1
Underline
Forecolor
Backcolor
Type
Character
Alignment
Left
Font
None
Relative Position
Float
Word Wrap
No Wrap
Mode
Transperent
Rotation
0
Print Repeated Values
Yes
Remove Line If Blank
Print When
Also Print When Group Changed
Print Only On Last Page (Report Off)
Print on
None
OK
Cancel
Selection will be shown here.
Underline setup is here.

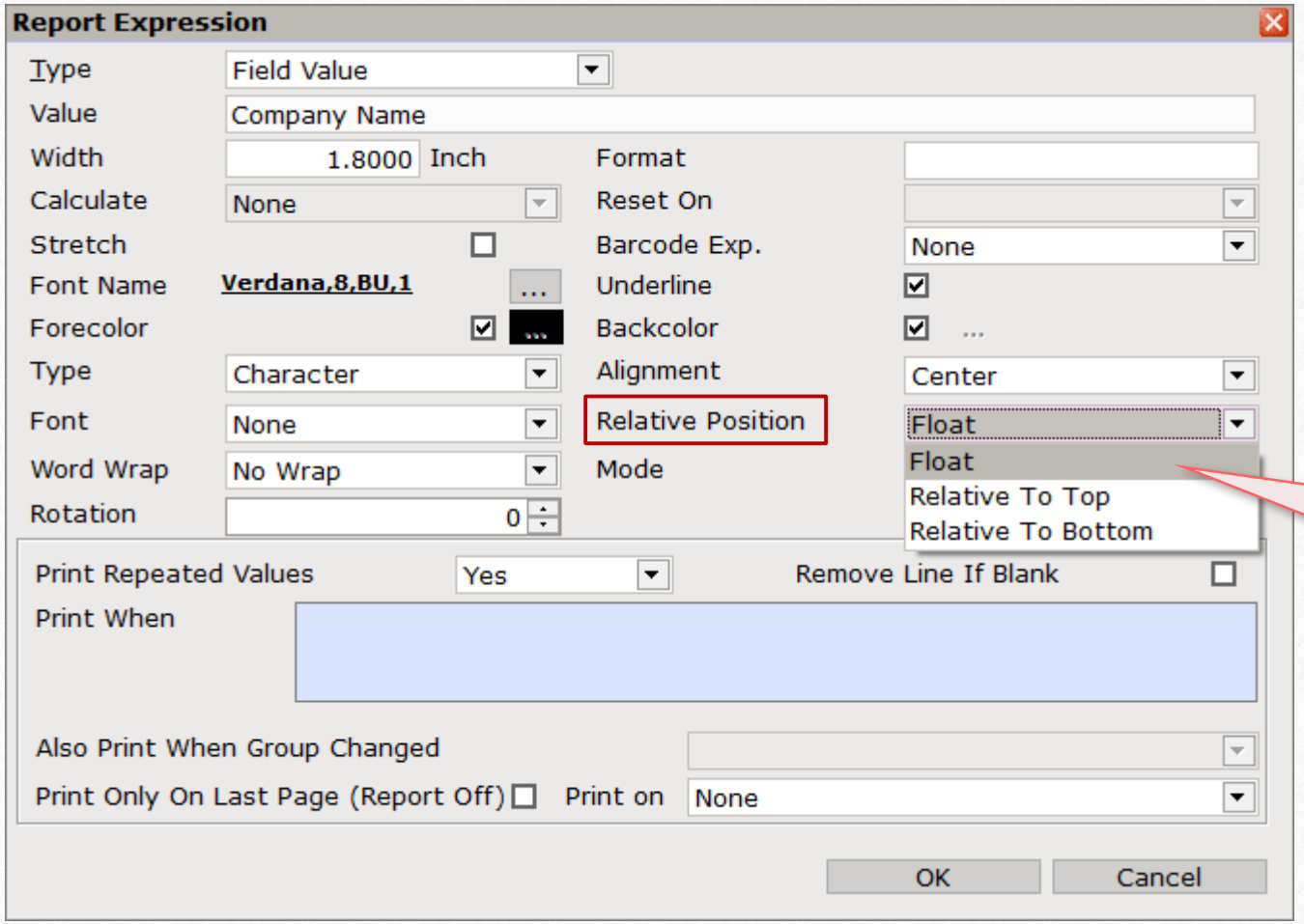
Select “Type” of the detail.

In our case, **Company Name** will be in **Characters**.

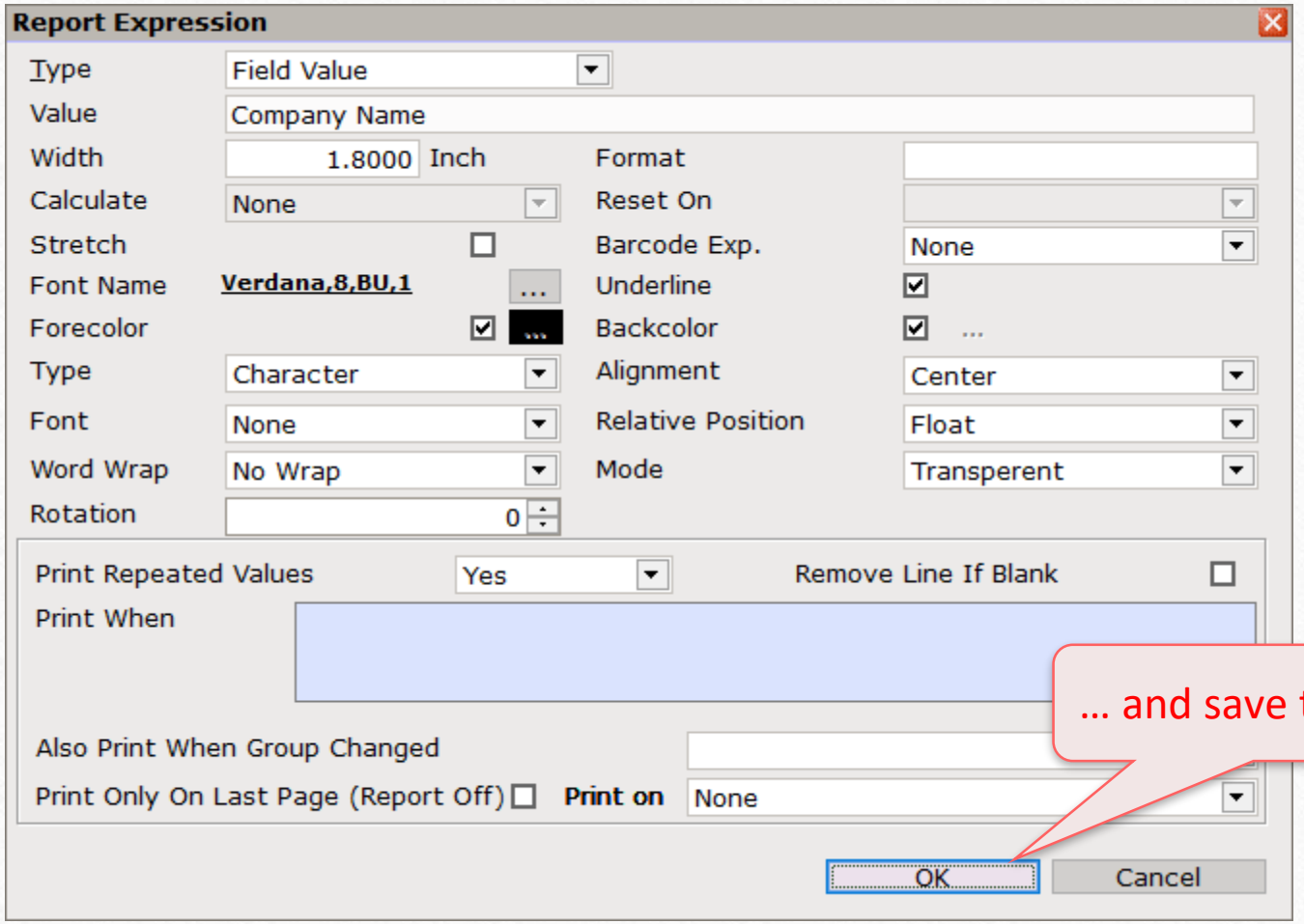




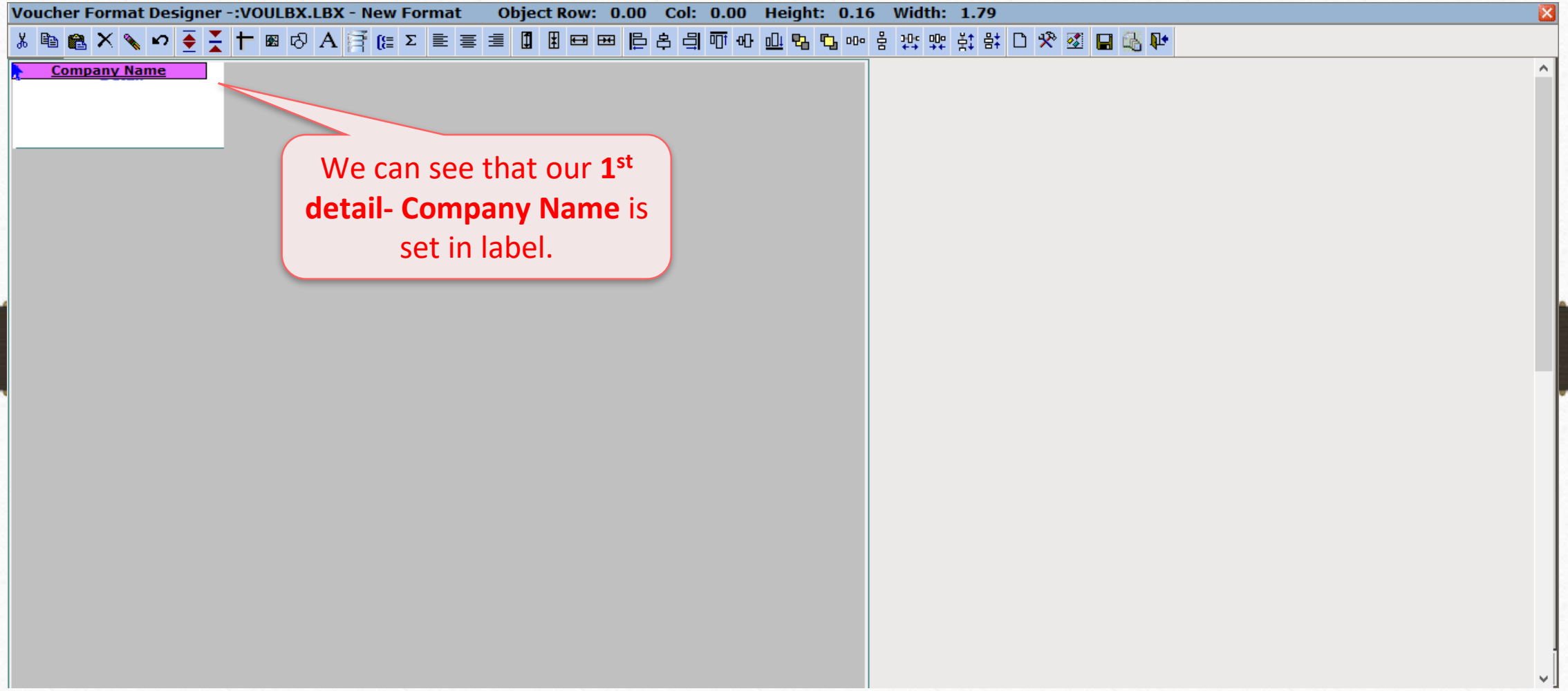
Then set “alignment”.

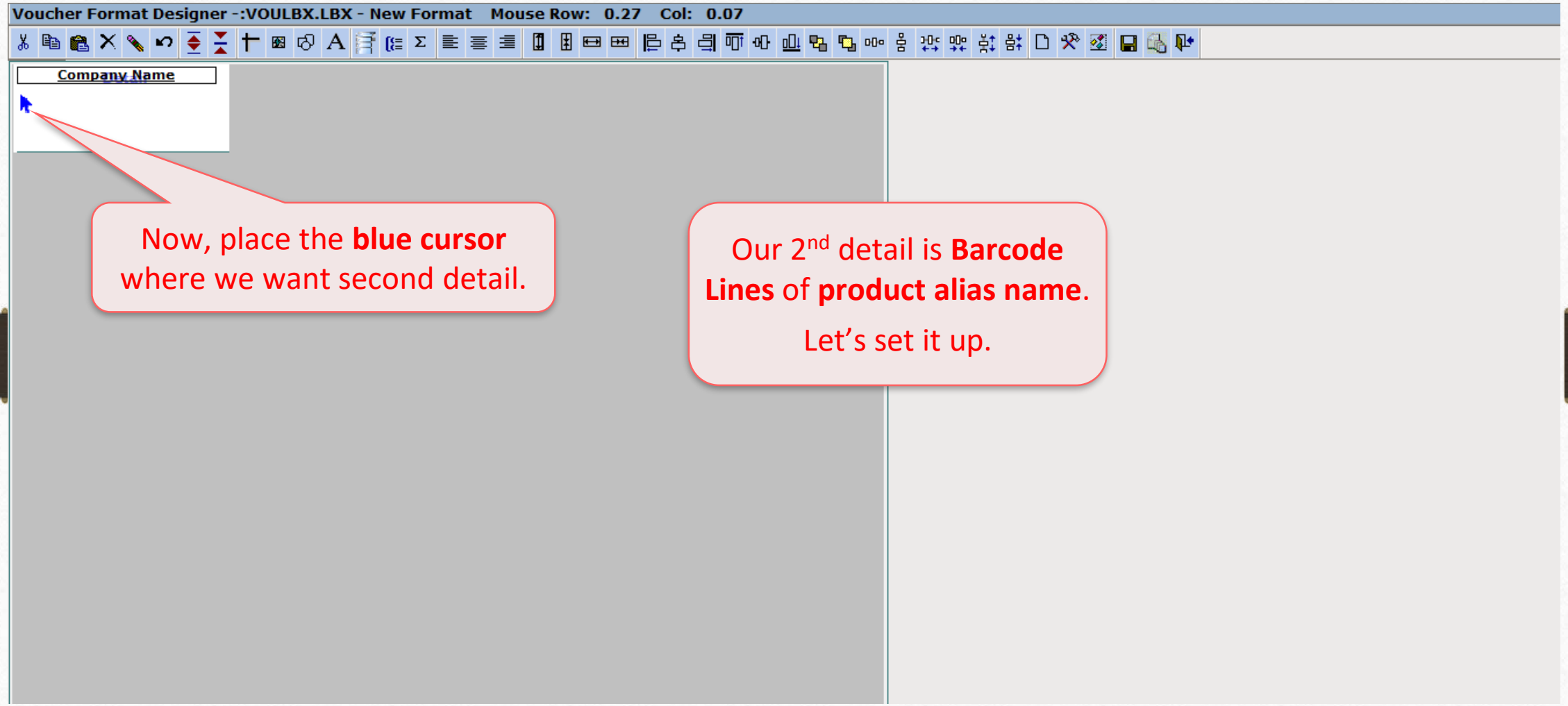


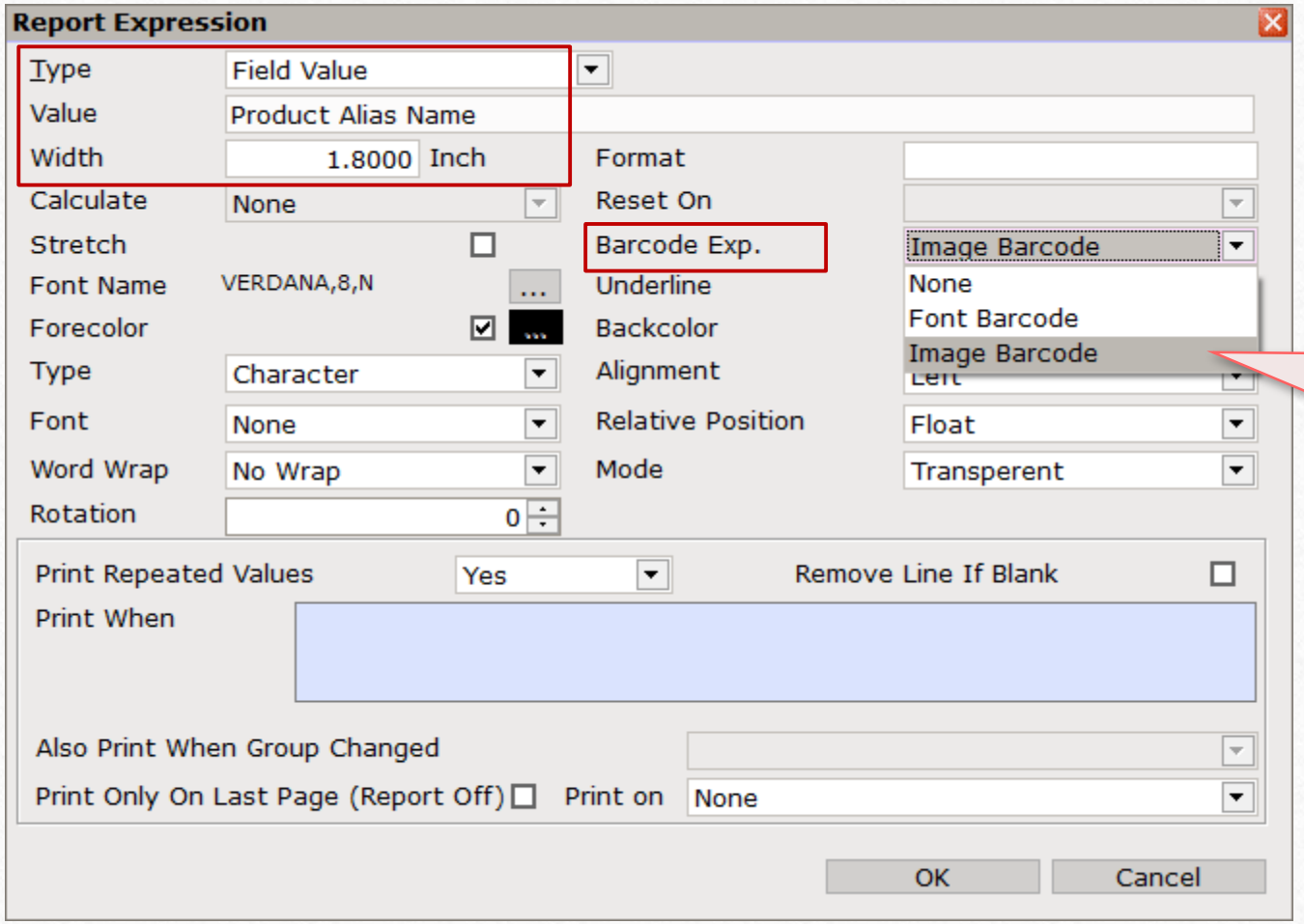
Set **Float** in "Relative Position" ...



… and save the details.


Voucher Format Designer -:VOULBX.LBX - New Format Object Row: 0.00 Col: 0.00 Height: 0.16 Width: 1.79
Company Name
We can see that our 1st detail- Company Name is set in label.

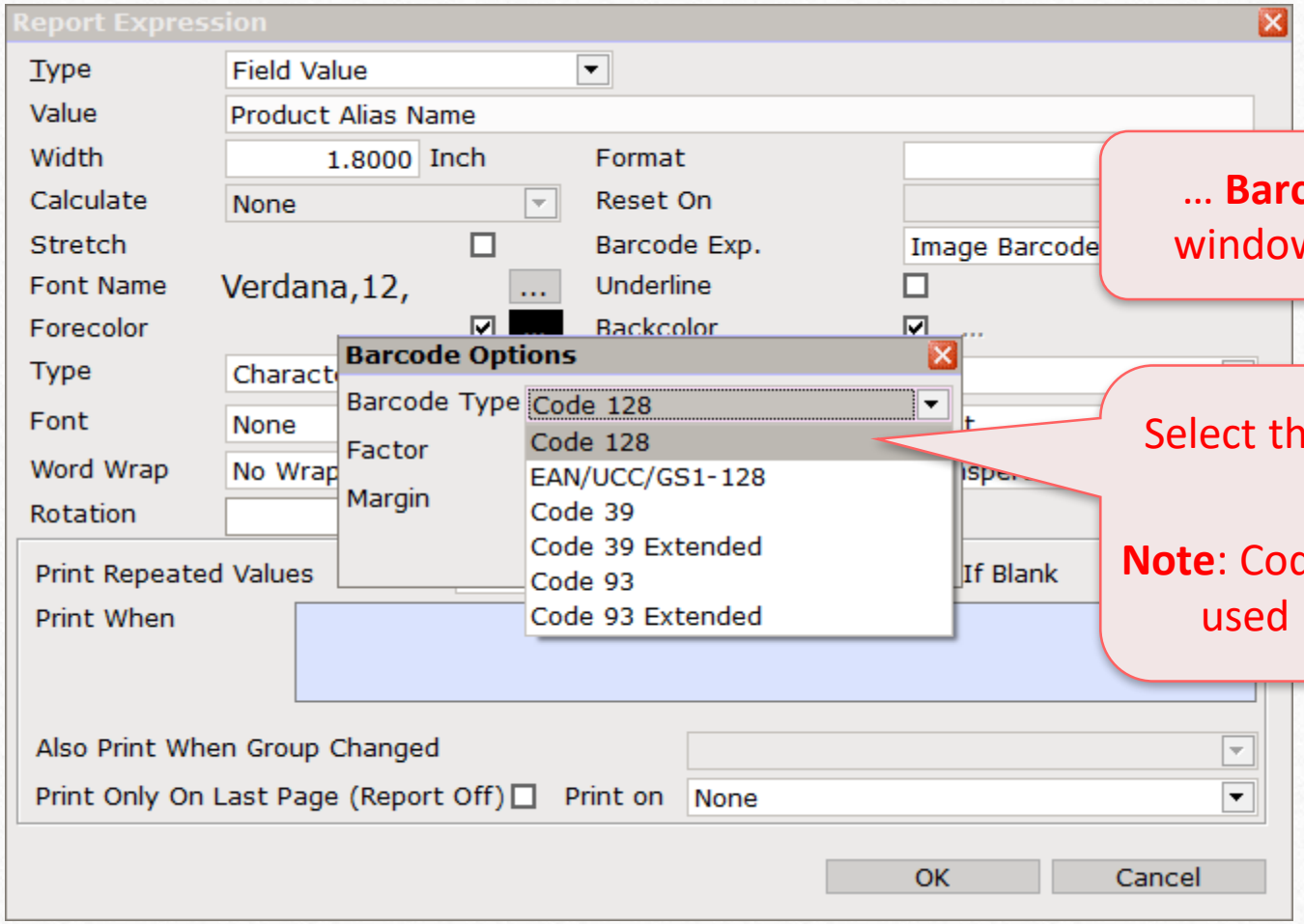

Voucher Format Designer -:VOULBX.LBX - New Format Mouse Row: 0.27 Col: 0.07
Company Name
Now, place the blue cursor where we want second detail.
Our 2nd detail is Barcode Lines of product alias name.
Let's set it up.



Set **Field Value** in "Type", **Product Alias Name** in "Value" and our preferred "Width".

Here, it is necessary to select **Image Barcode** in "Barcode Exp."

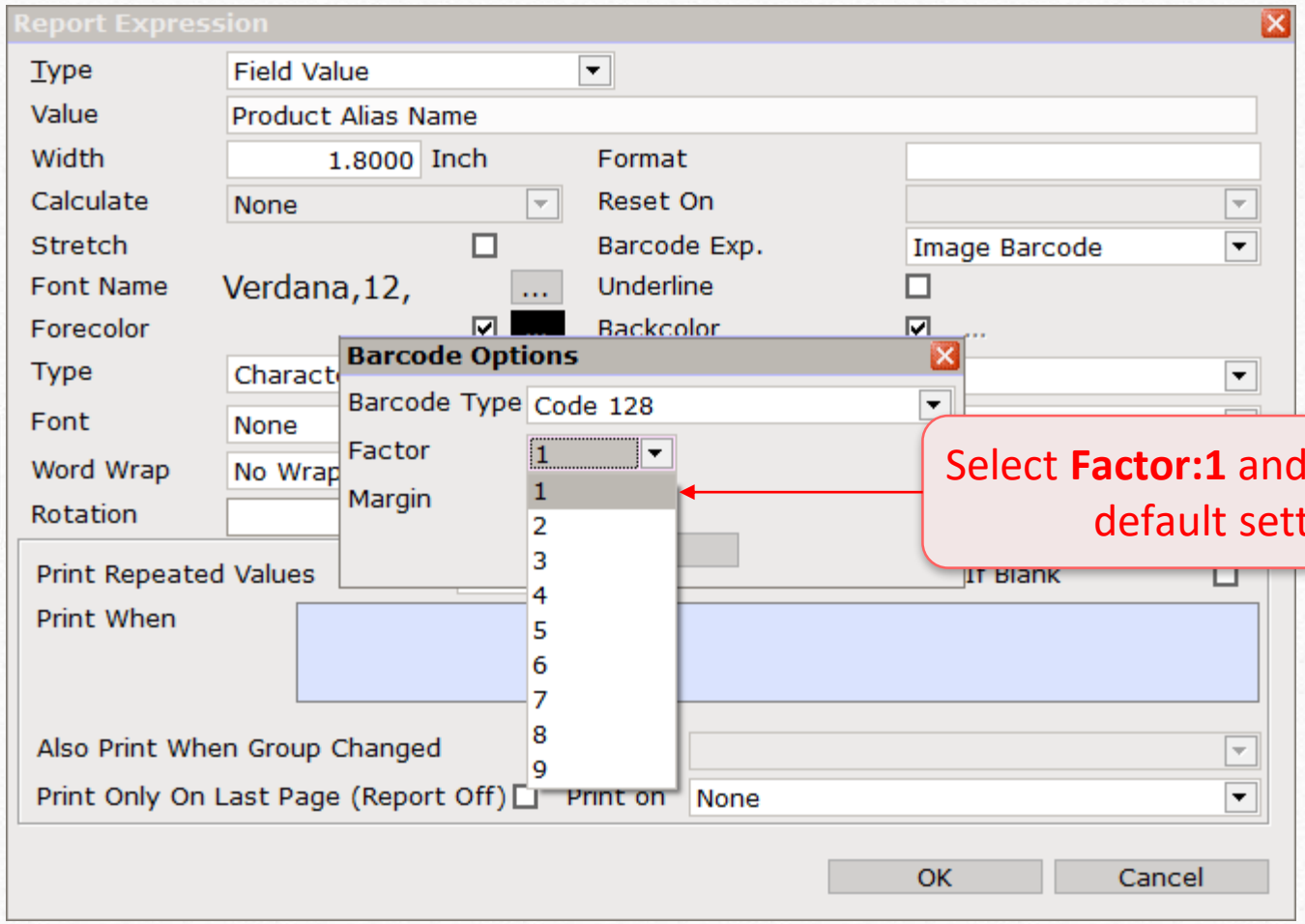
As we press **Enter** …

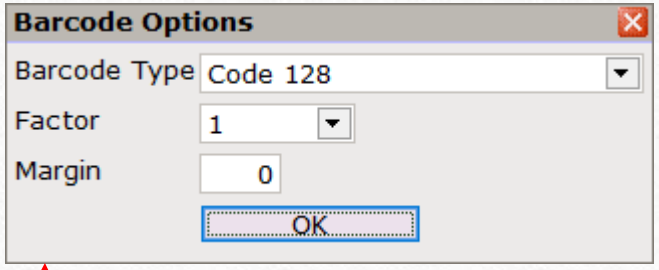


… **Barcode Options** window will appear.

Select this basic barcode type – **Code 128**.

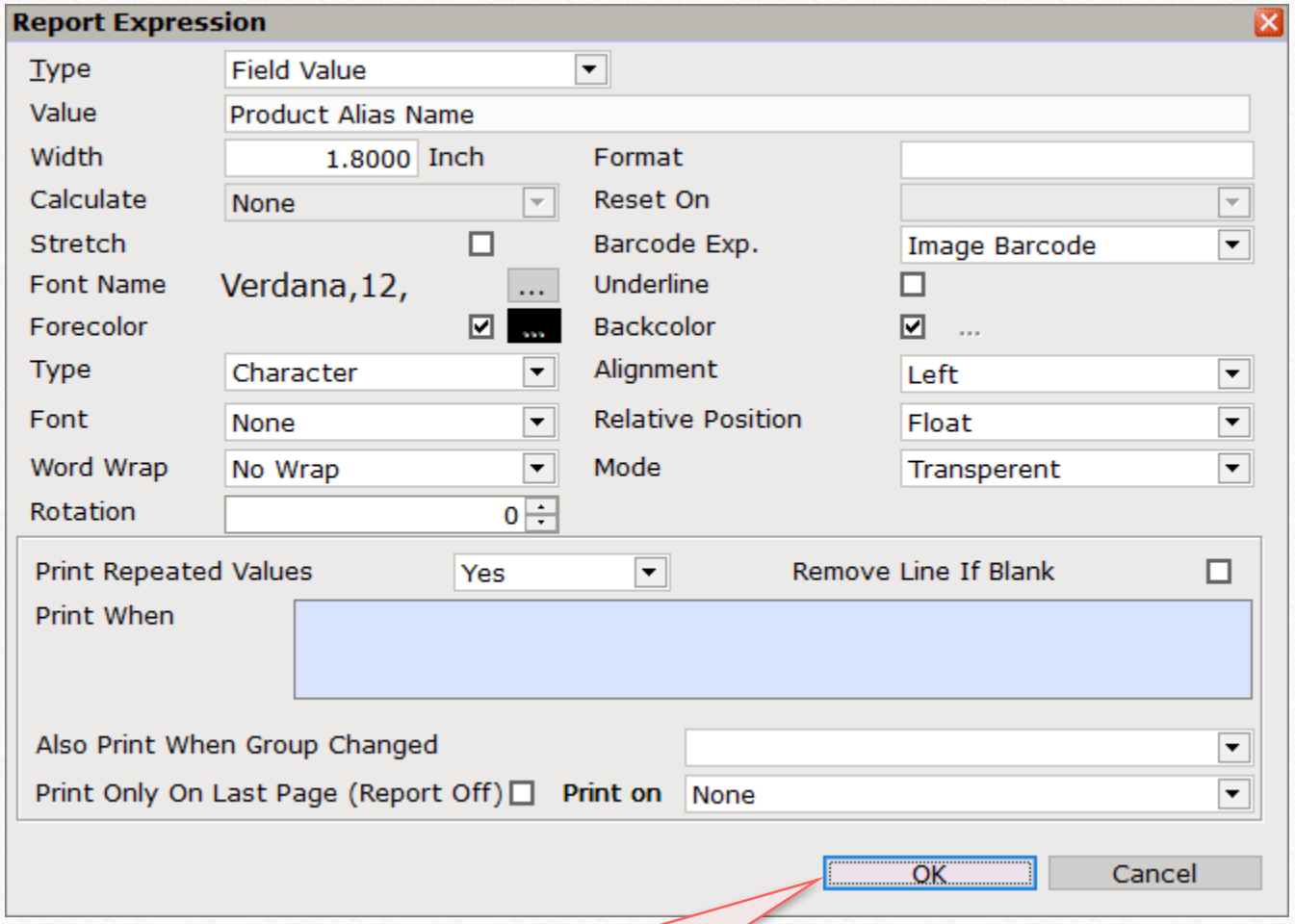
Note: Code 128 is very commonly used linear barcode type.



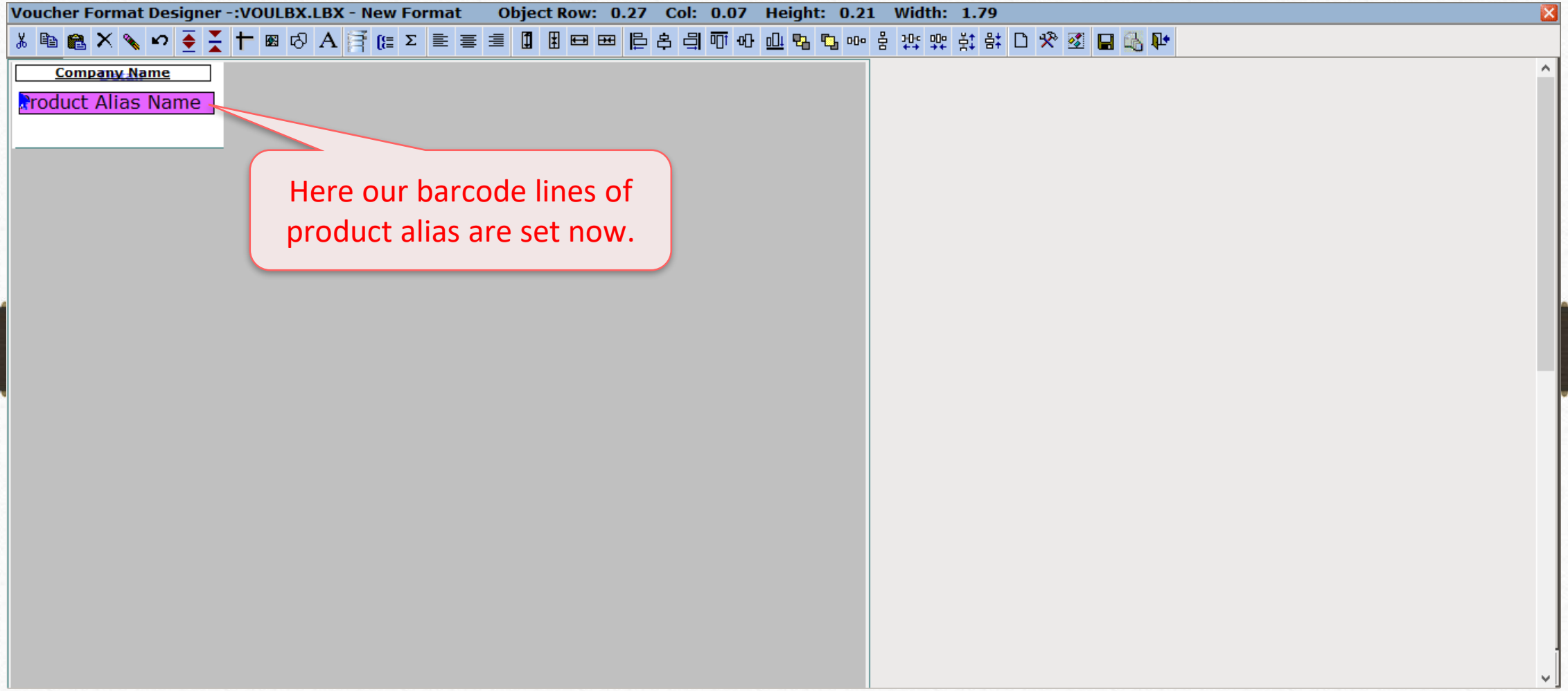


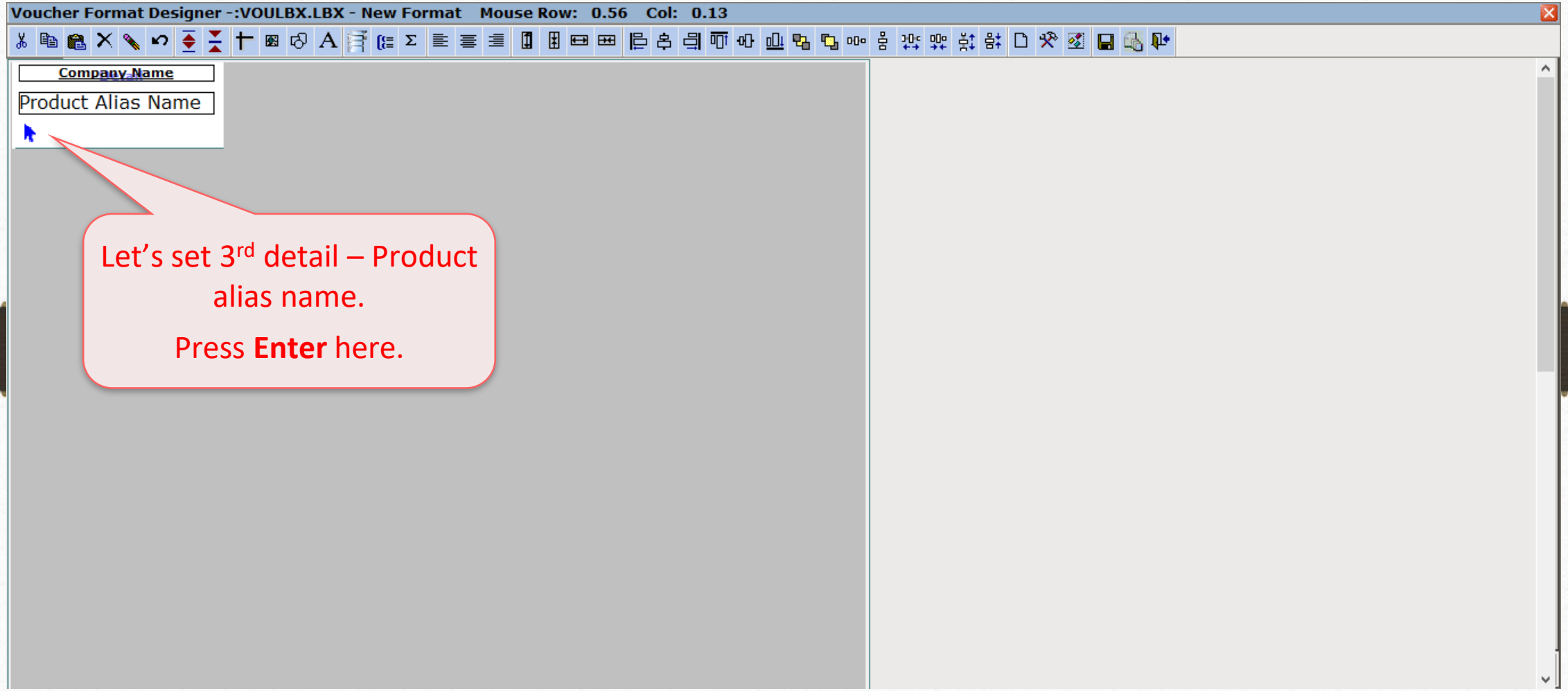
Select **Factor:1** and **Margin:0** as default settings.

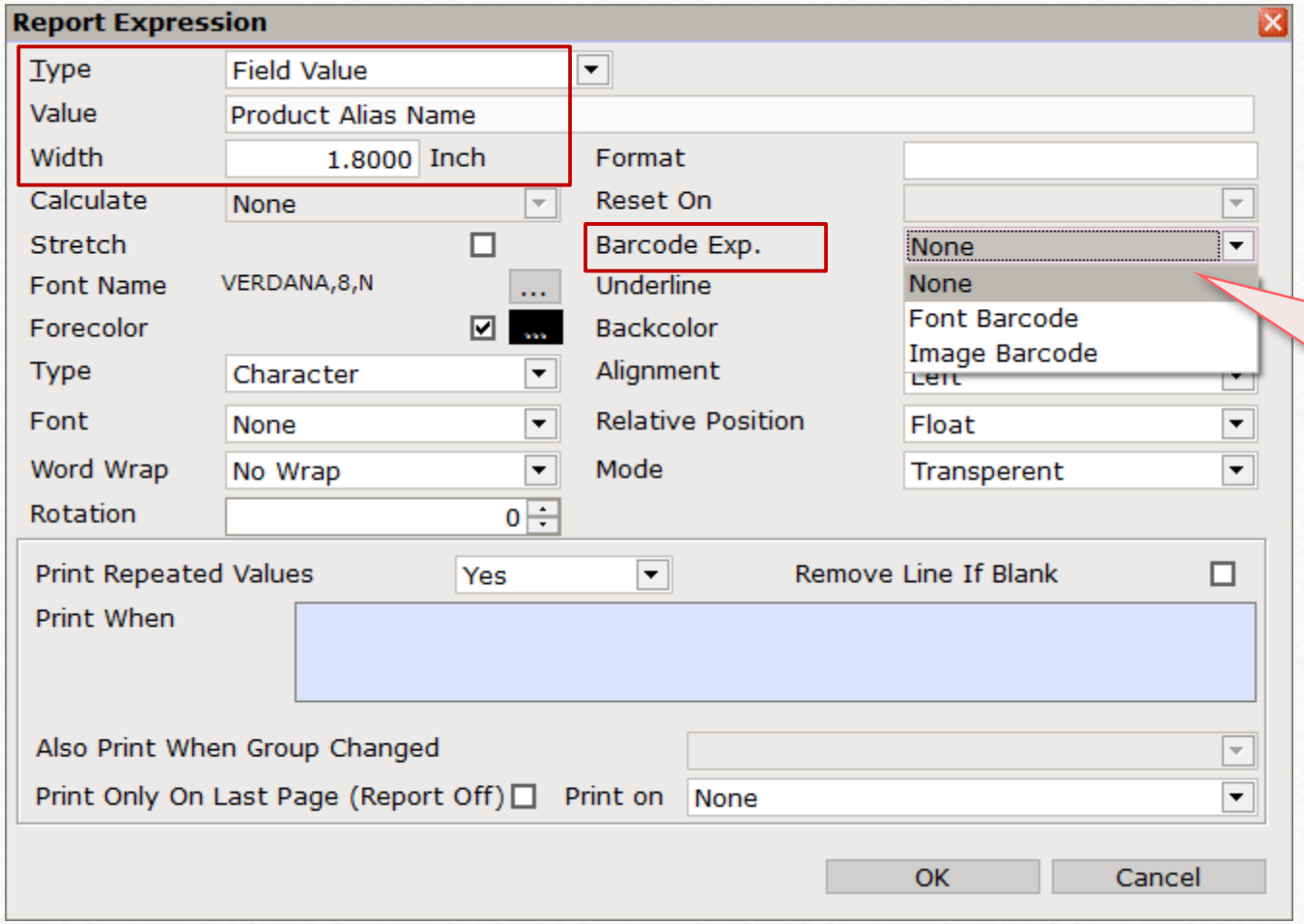
Note: **Factor** value shows the **width** of the lines in barcode & **Margin** value shows the **height**.



Then save the changes


Voucher Format Designer -:VOULBX.LBX - New Format Object Row: 0.27 Col: 0.07 Height: 0.21 Width: 1.79
Company Name
Product Alias Name
Here our barcode lines of product alias are set now.

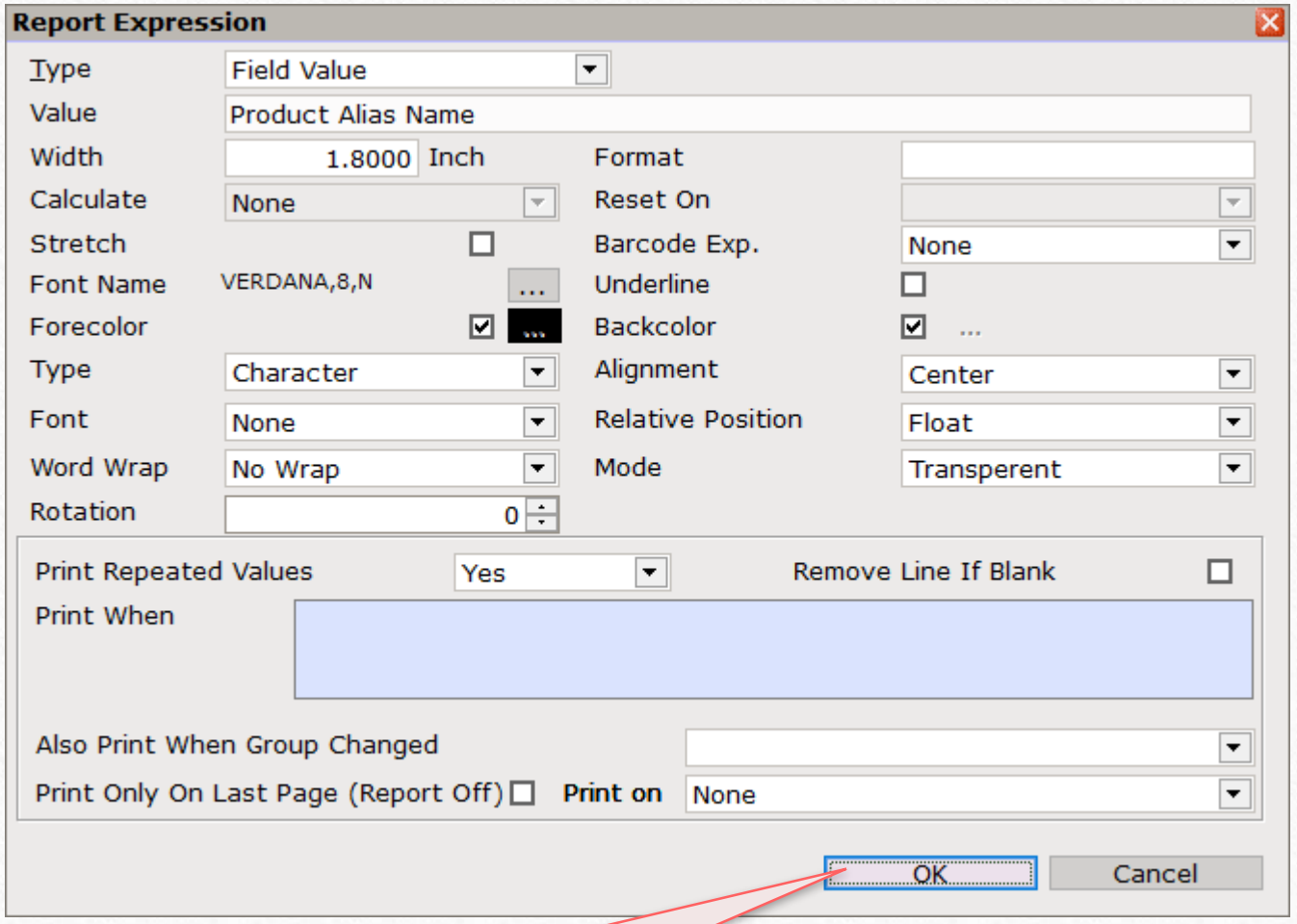

Voucher Format Designer -:VOULBX.LBX - New Format Mouse Row: 0.56 Col: 0.13
Company Name
Product Alias Name
Let's set 3rd detail – Product alias name.
Press Enter here.



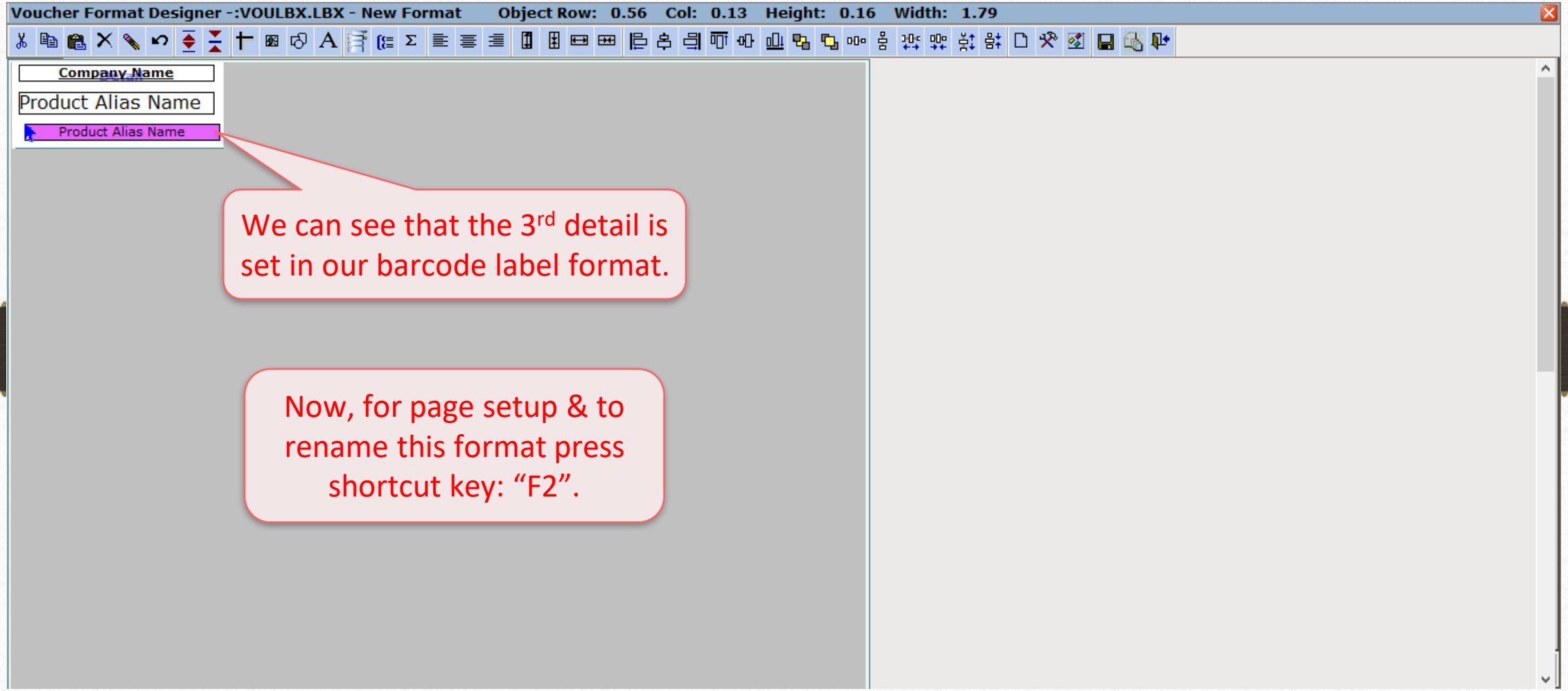
Set **Field Value** in "Type", **Product Alias Name** in "Value" and our preferred "Width".

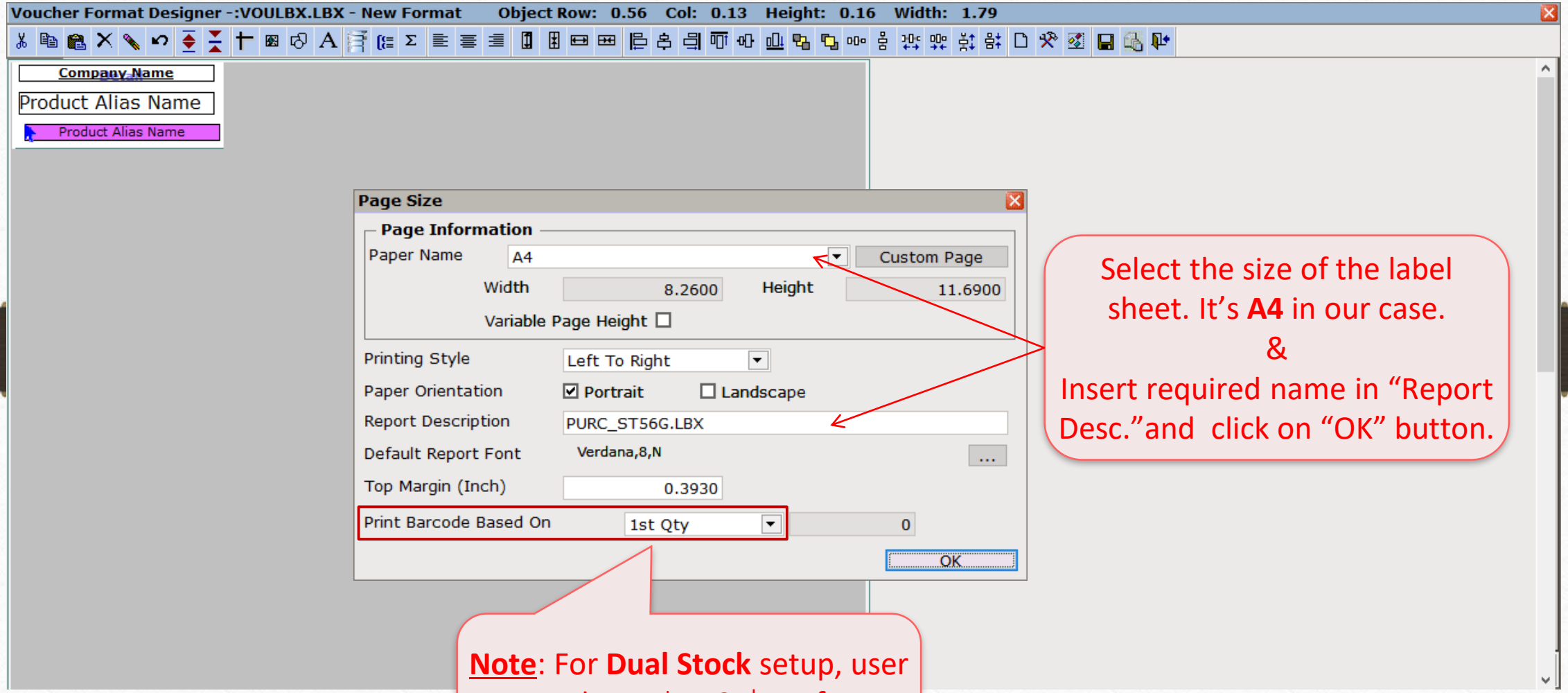
Now it is necessary to select **None** in "Barcode Exp."

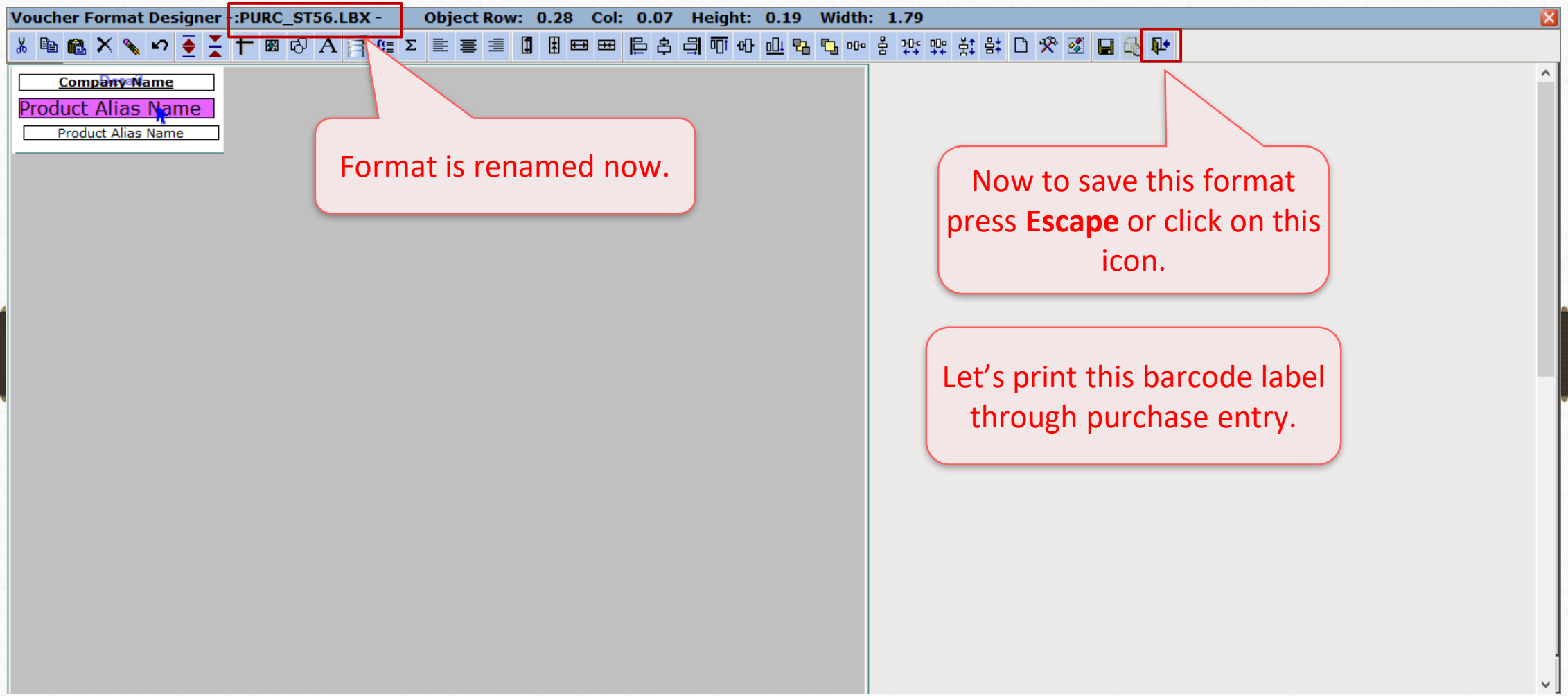
Set other options as shown in picture.



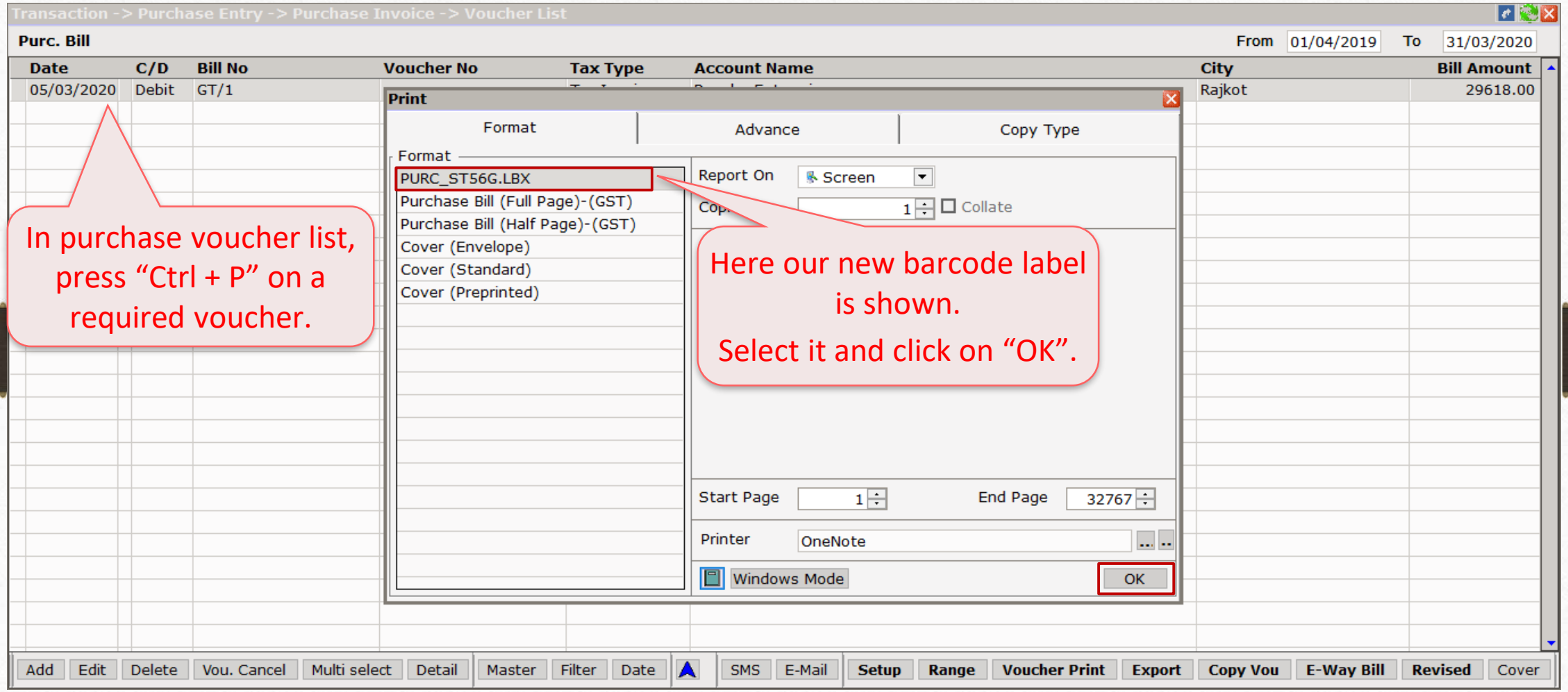
Save all the details by clicking on “OK”.

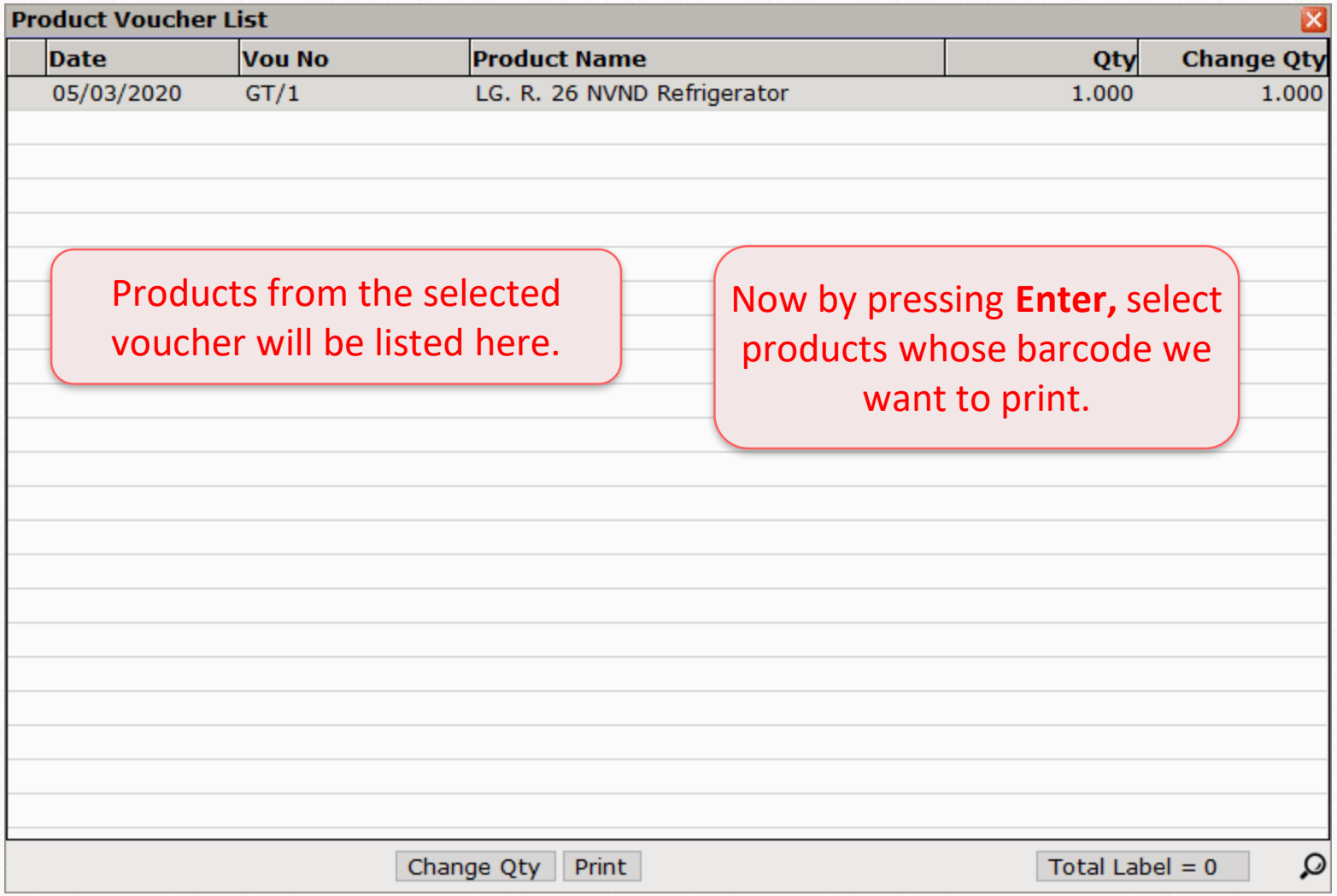

Voucher Format Designer -:VOULBX.LBX - New Format Object Row: 0.56 Col: 0.13 Height: 0.16 Width: 1.79
Company Name
Product Alias Name
Product Alias Name
We can see that the 3rd detail is set in our barcode label format.
Now, for page setup & to rename this format press shortcut key: “F2”.

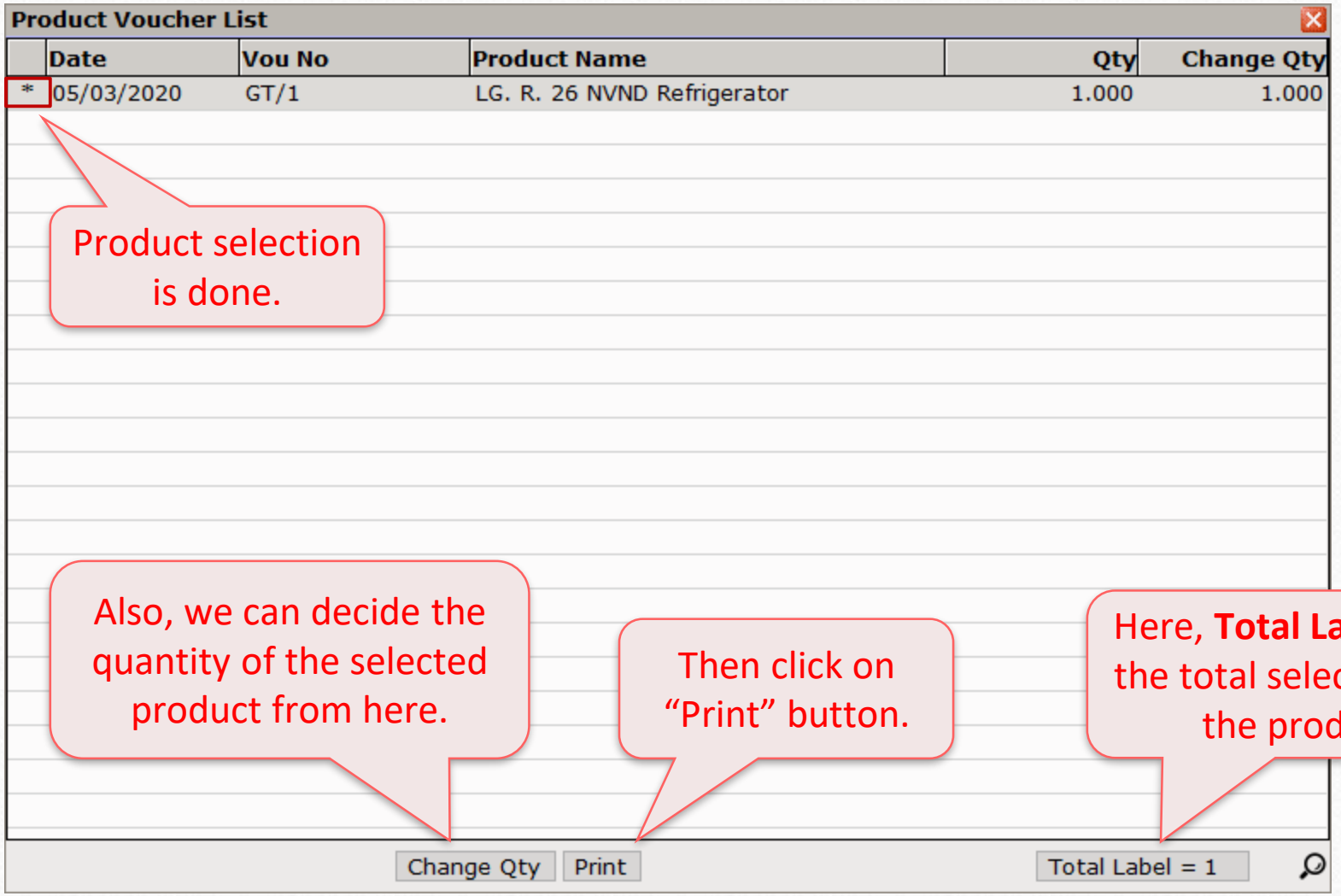

Voucher Format Designer -:VOULBX.LBX - New Format Object Row: 0.56 Col: 0.13 Height: 0.16 Width: 1.79
Company Name
Product Alias Name
Product Alias Name
Page Size
Page Information
Paper Name
A4
Custom Page
Width
8.2600
Height
11.6900
Variable Page Height
Printing Style
Left To Right
Paper Orientation
Portrait
Landscape
Report Description
PURC_ST56G.LBX
Default Report Font
Verdana,8,N
Top Margin (Inch)
0.3930
Print Barcode Based On
1st Qty
0
OK
Select the size of the label sheet. It's A4 in our case.
&
Insert required name in "Report Desc."and click on "OK" button.
Note: For Dual Stock setup, user can select 1st or 2nd qty from here to print the barcode on.

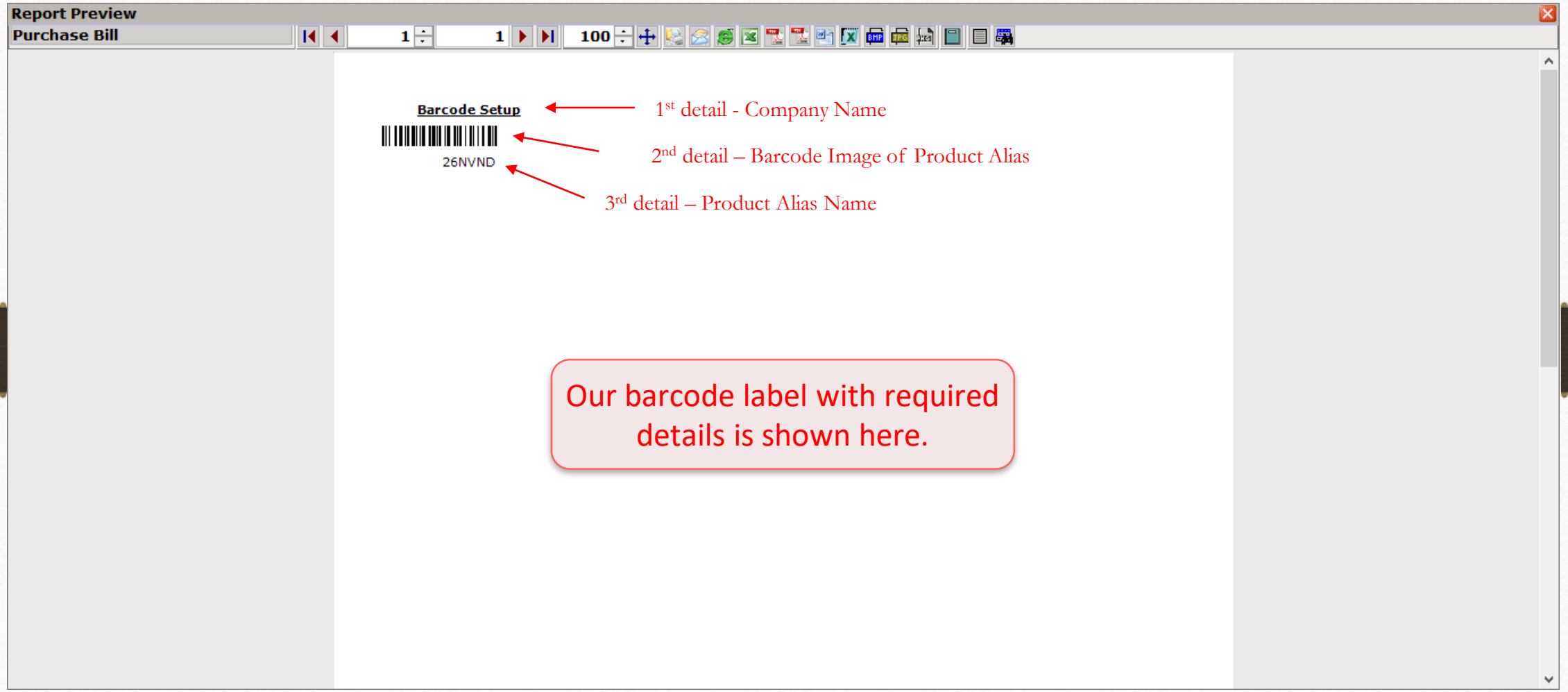

Voucher Format Designer -:PURC_ST56.LBX - Object Row: 0.28 Col: 0.07 Height: 0.19 Width: 1.79
Company Name
Product Alias Name
Product Alias Name
Format is renamed now.
Now to save this format press **Escape** or click on this icon.
Let's print this barcode label through purchase entry.

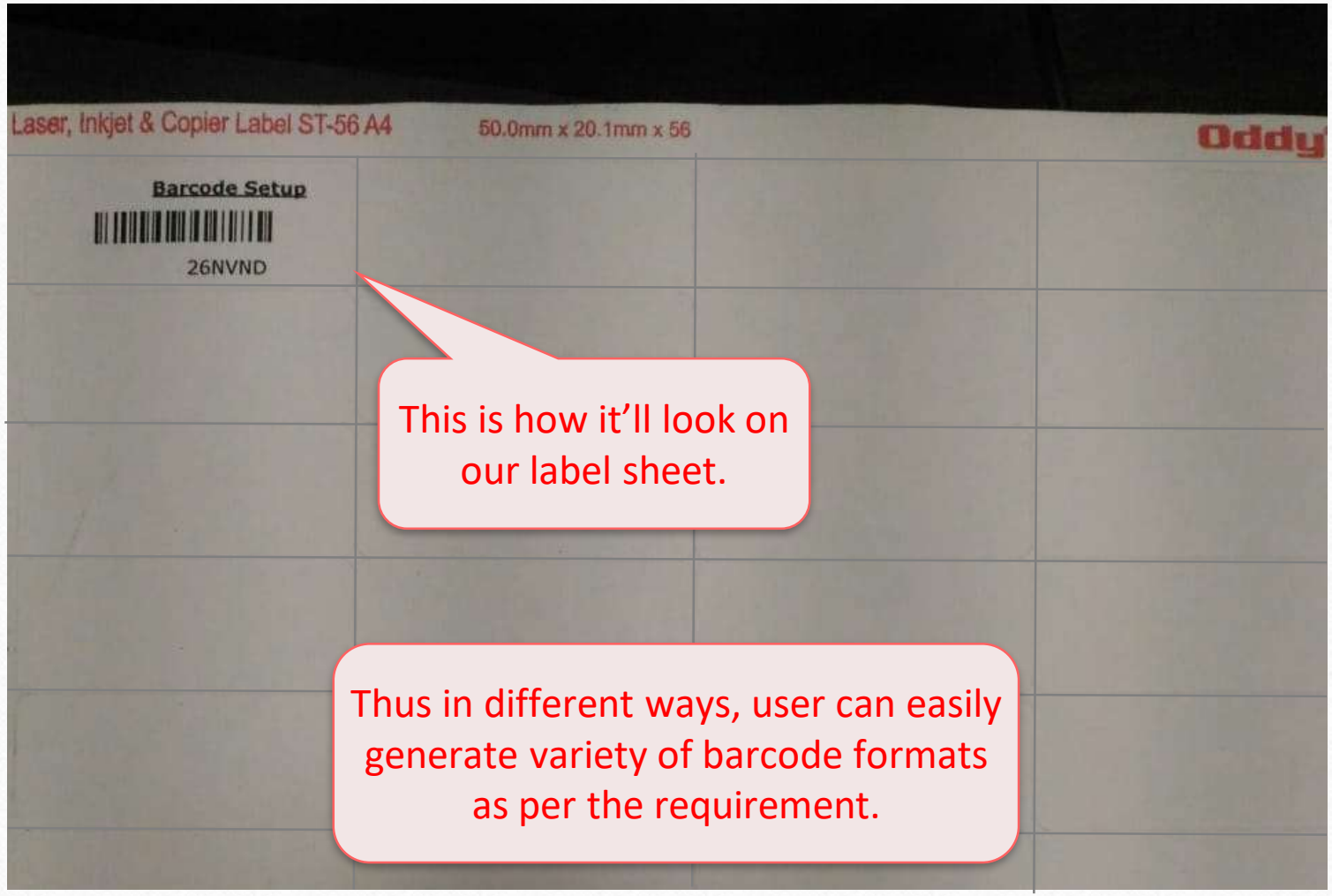
Barcode Printing


Transaction -> Purchase Entry -> Purchase Invoice -> Voucher List
Purc. Bill
From 01/04/2019 To 31/03/2020
Date C/D Bill No Voucher No Tax Type Account Name City Bill Amount
05/03/2020 Debit GT/1 Rajkot 29618.00
In purchase voucher list, press "Ctrl + P" on a required voucher.
Print
Format
Advance
Copy Type
Format
PURC_ST56G.LBX
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On Screen
Collate
Here our new barcode label is shown.
Select it and click on "OK".
Start Page 1
End Page 32767
Printer OneNote
Windows Mode
OK
Add Edit Delete Vou. Cancel Multi select Detail Master Filter Date SMS E-Mail Setup Range Voucher Print Export Copy Vou E-Way Bill Revised Cover


Product Voucher List
Date
Vou No
Product Name
Qty
Change Qty
05/03/2020
GT/1
LG. R. 26 NVND Refrigerator
1.000
1.000
Products from the selected voucher will be listed here.
Now by pressing **Enter,** select products whose barcode we want to print.
Change Qty
Print
Total Label = 0


Product Voucher List
Date
Vou No
Product Name
Qty
Change Qty
*
05/03/2020
GT/1
LG. R. 26 NVND Refrigerator
1.000
1.000
Product selection is done.
Also, we can decide the quantity of the selected product from here.
Then click on “Print” button.
Here, Total Label shows the total selected qty of the products.
Change Qty
Print
Total Label = 1

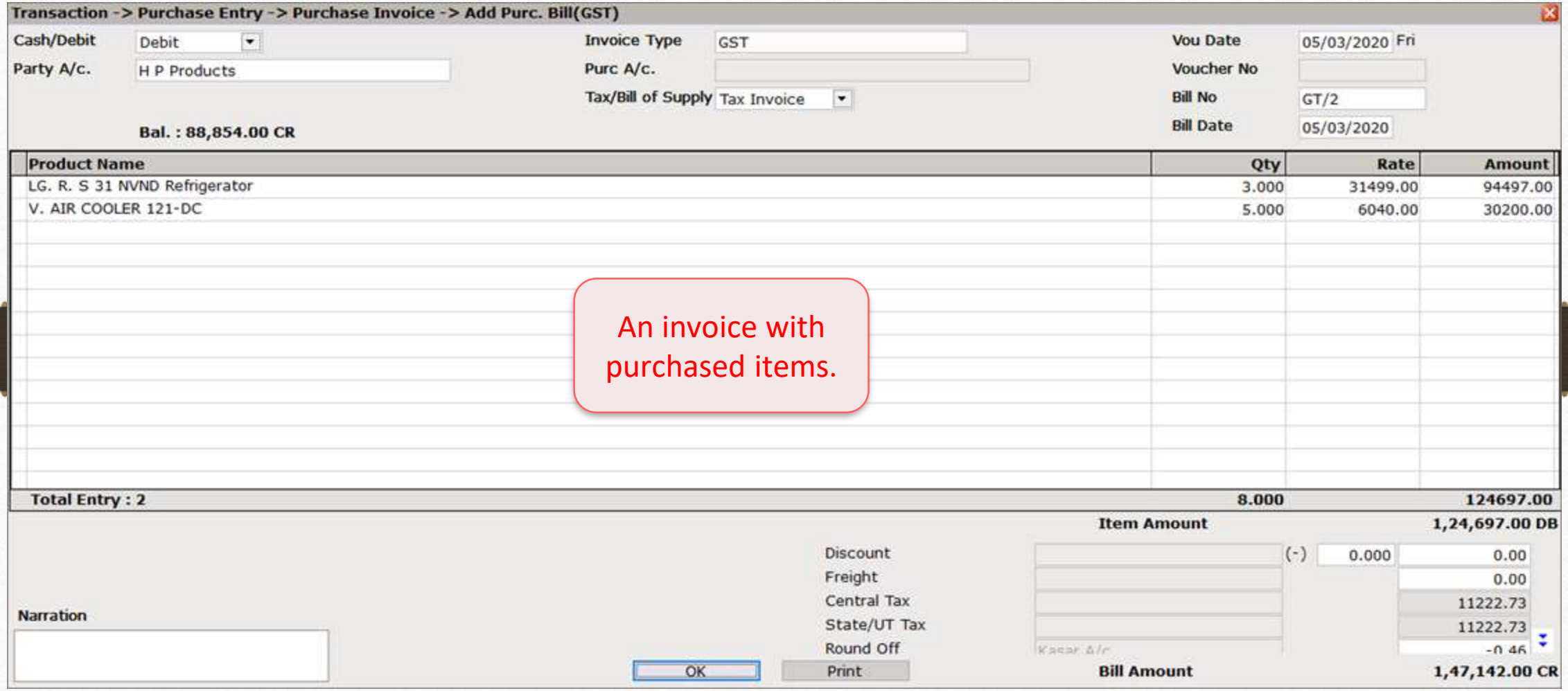

Report Preview
Purchase Bill
Barcode Setup
26NVND
1st detail - Company Name
2nd detail – Barcode Image of Product Alias
3rd detail – Product Alias Name
Our barcode label with required details is shown here.

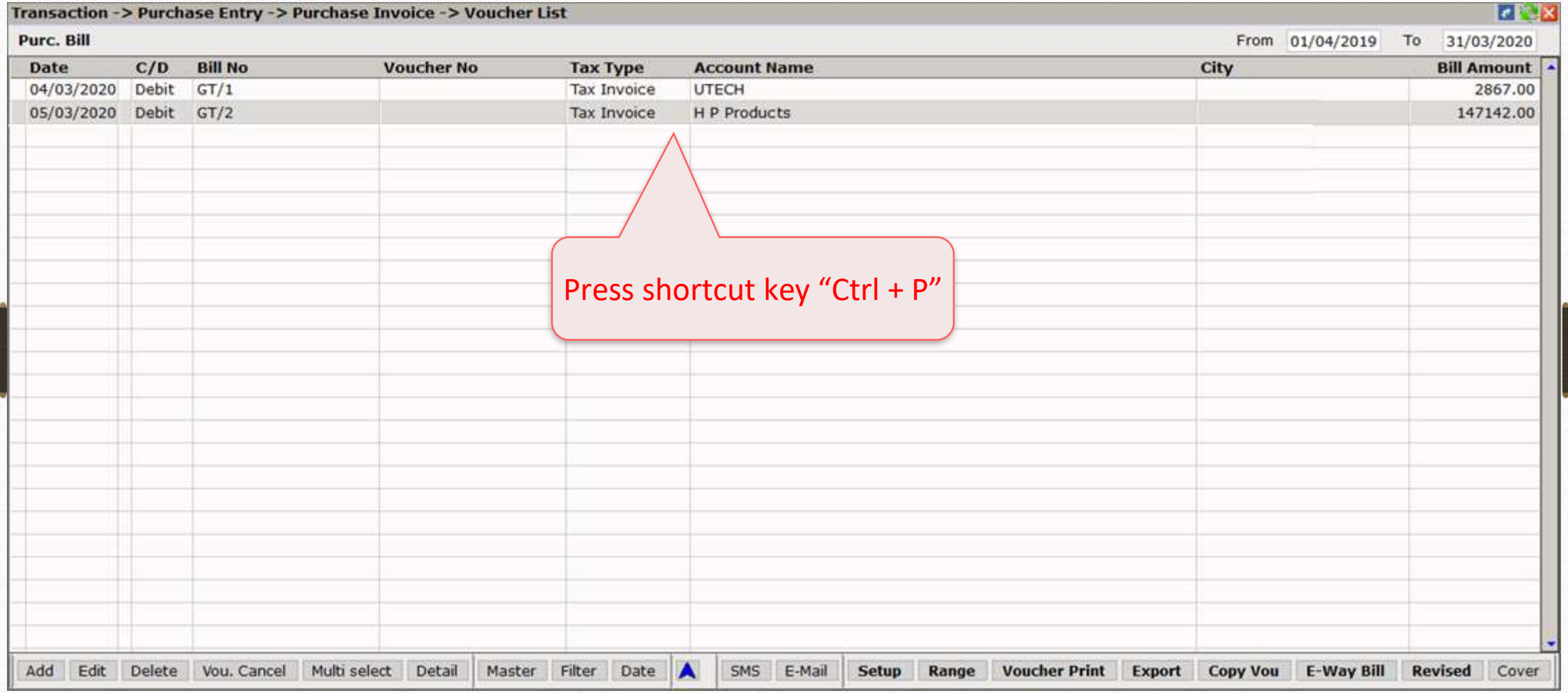

Laser, Inkjet & Copier Label ST-56 A4
50.0mm x 20.1mm x 56
Barcode Setup
26NVND
This is how it'll look on our label sheet.
Thus in different ways, user can easily generate variety of barcode formats as per the requirement.

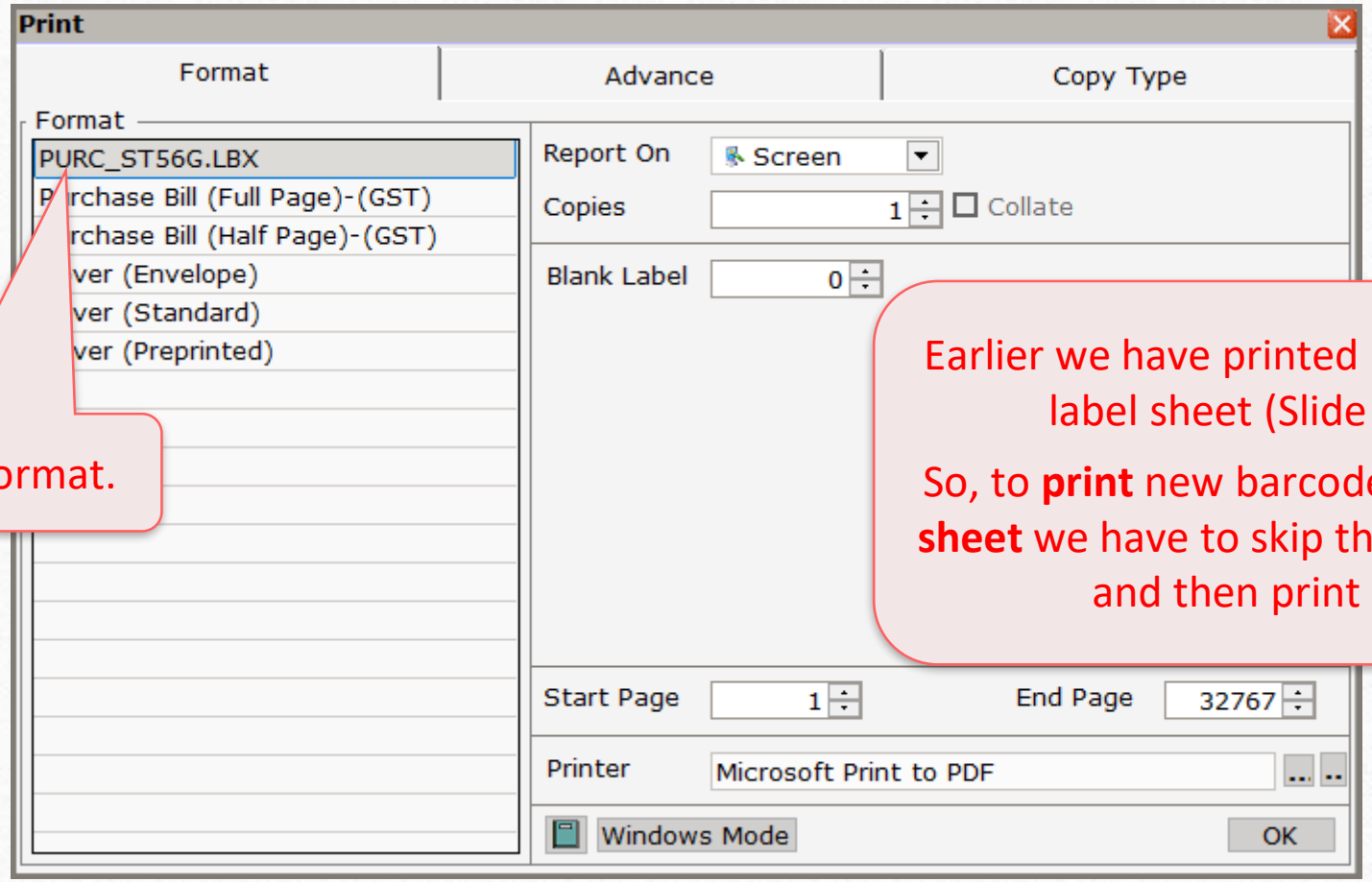
Other Example Of Barcode Printing

When the user wants to print the barcode by leaving few labels in the label sheet

- It is very natural that user may use a barcode label sheet to print just a few barcodes and then reuse it afterward.
- In the case of reuse of the same sheet, user has to skip the earlier printed labels or blank labels to print new barcodes.
- Miracle provides this facility to insert this number of blank labels of barcode label sheet.
- How and where? Let us see with an example.


Transaction -> Purchase Entry -> Purchase Invoice -> Add Purc. Bill(GST)
Cash/Debit
Debit
Party A/c.
H P Products
Bal. : 88,854.00 CR
Invoice Type
GST
Purc A/c.
Tax/Bill of Supply
Tax Invoice
Vou Date
05/03/2020 Fri
Voucher No
Bill No
GT/2
Bill Date
05/03/2020
Product Name
Qty
Rate
Amount
LG. R. S 31 NVND Refrigerator
3.000
31499.00
94497.00
V. AIR COOLER 121-DC
5.000
6040.00
30200.00
An invoice with purchased items.
Total Entry : 2
8.000
124697.00
Item Amount
1,24,697.00 DB
Discount
(-)
0.000
0.00
Freight
0.00
Central Tax
11222.73
State/UT Tax
11222.73
Round Off
-0.46
Narration
OK
Print
Bill Amount
1,47,142.00 CR

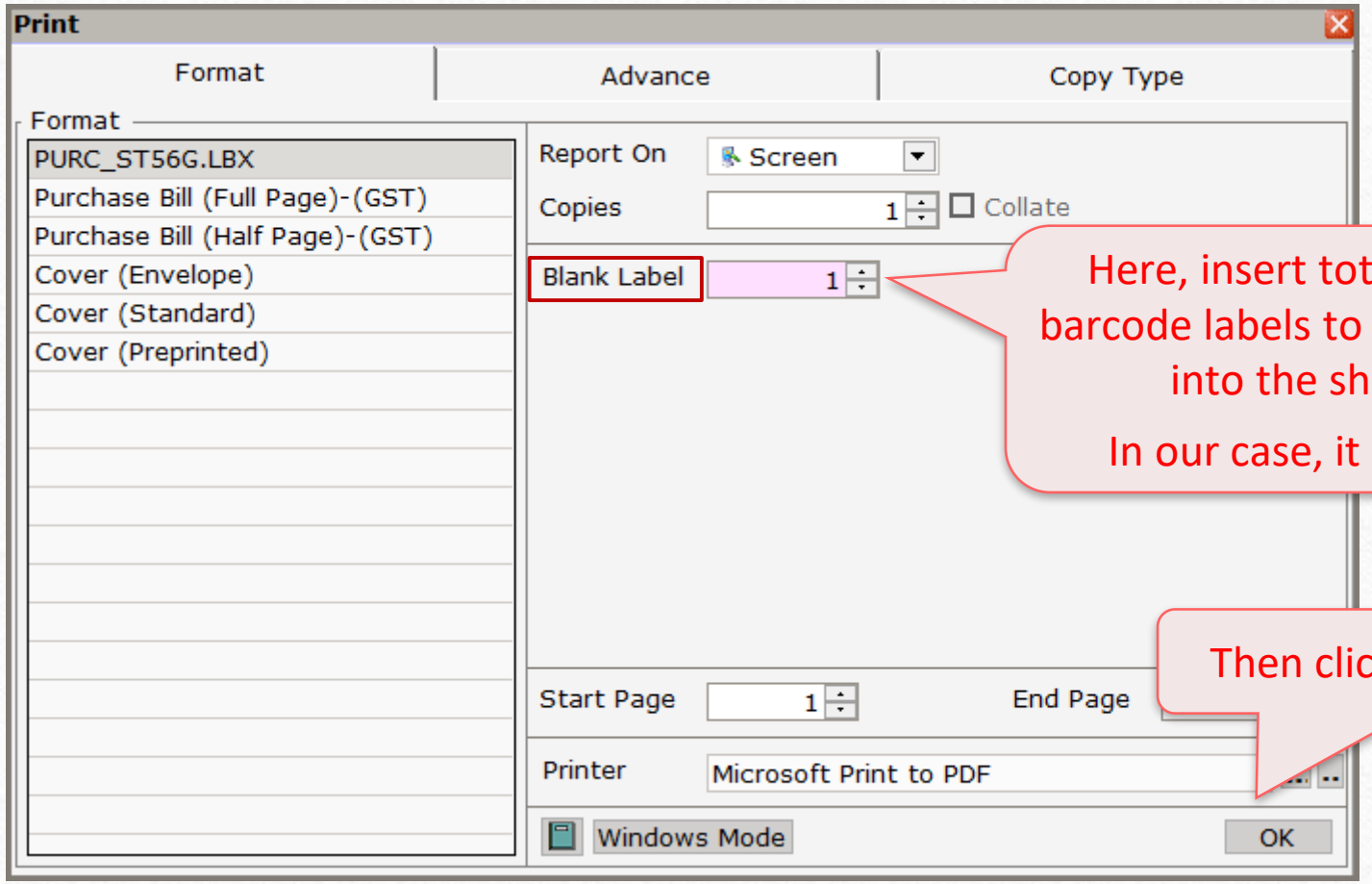

Transaction -> Purchase Entry -> Purchase Invoice -> Voucher List
Purc. Bill
From 01/04/2019 To 31/03/2020
Date C/D Bill No Voucher No Tax Type Account Name City Bill Amount
04/03/2020 Debit GT/1 Tax Invoice UTECH 2867.00
05/03/2020 Debit GT/2 Tax Invoice H P Products 147142.00
Press shortcut key “Ctrl + P”
Add Edit Delete Vou. Cancel Multi select Detail Master Filter Date SMS E-Mail Setup Range Voucher Print Export Copy Vou E-Way Bill Revised Cover

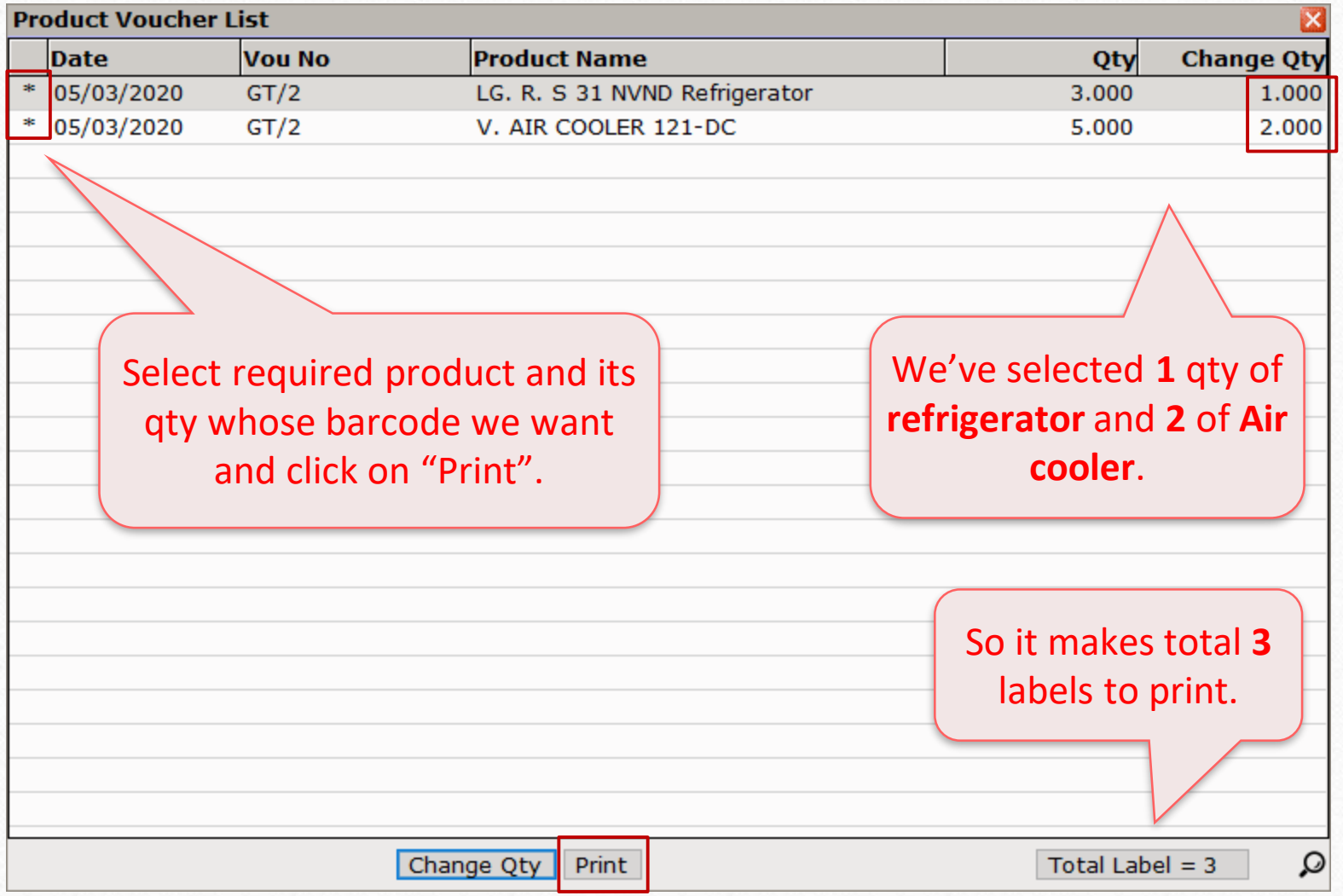


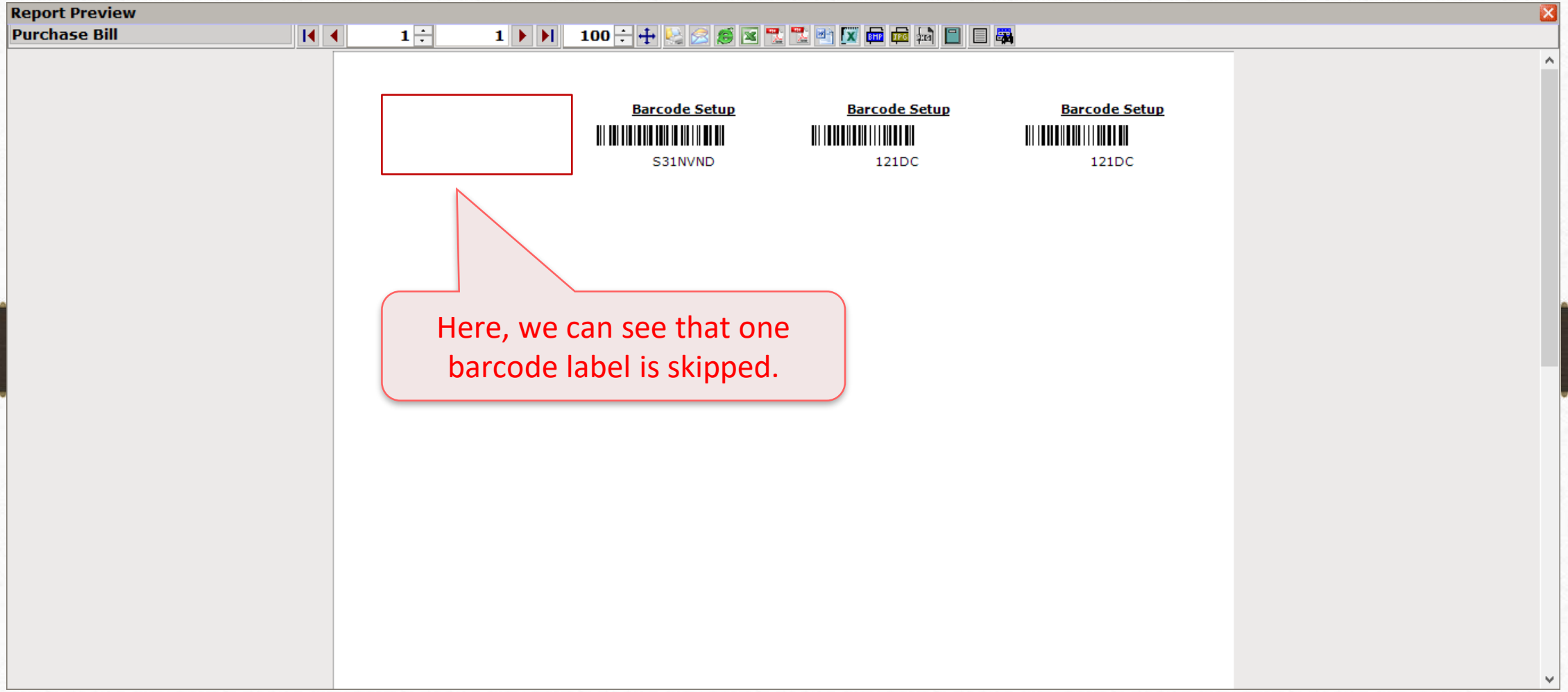
Select barcode format.

Earlier we have printed one barcode in label sheet (Slide No. 65).

So, to **print** new barcodes on the **same sheet** we have to skip that one barcode and then print them.


Print
Format
Advance
Copy Type
Format
PURC_ST56G.LBX
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On
Screen
Copies
1
Collate
Blank Label
1
Here, insert total no. of barcode labels to be skipped into the sheet.
In our case, it is ONE.
Start Page
1
End Page
Printer
Microsoft Print to PDF
Then click on “OK” button.
Windows Mode
OK

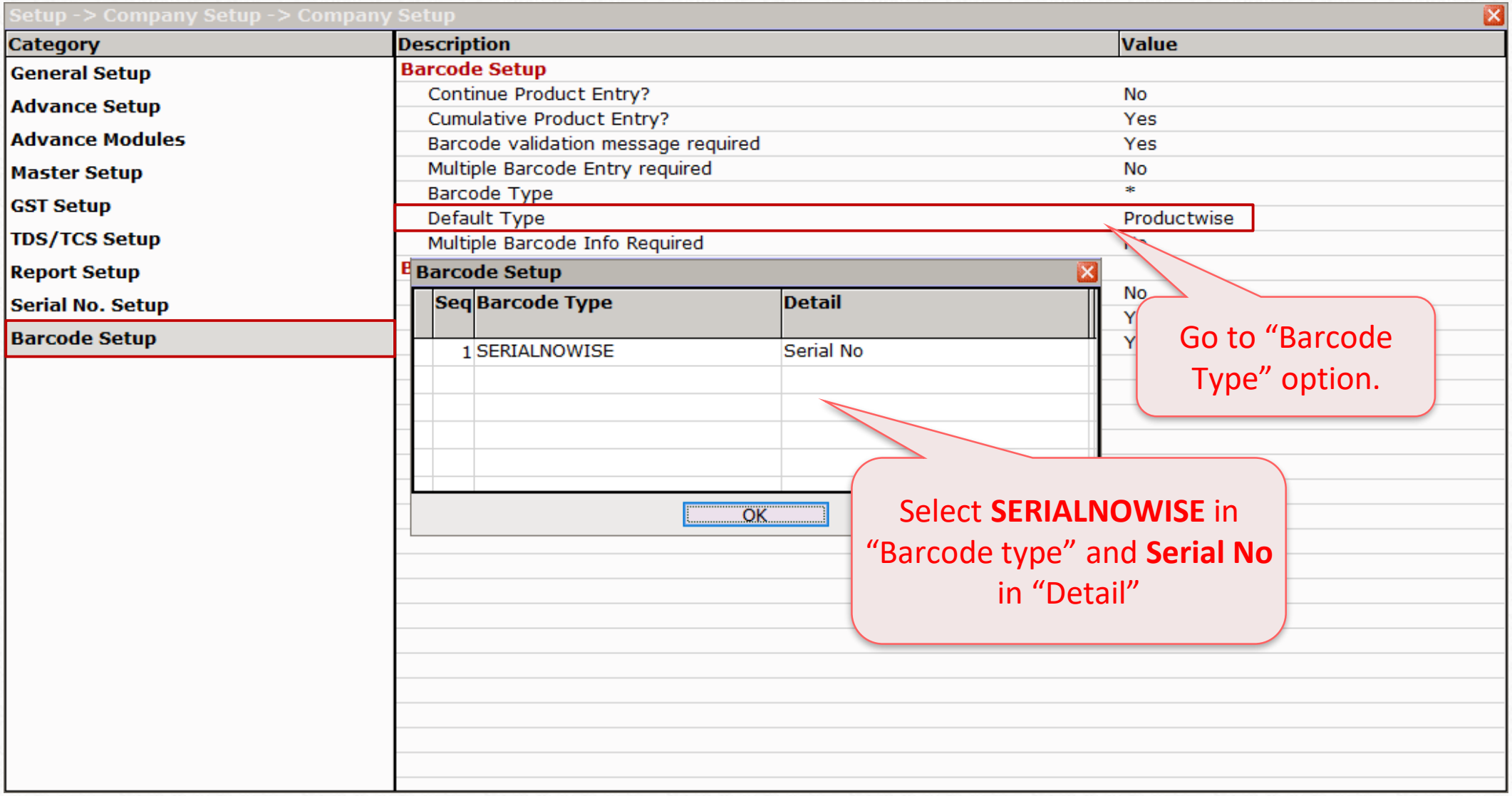

Product Voucher List
Date
Vou No
Product Name
Qty
Change Qty
* 05/03/2020 GT/2 LG. R. S 31 NVND Refrigerator 3.000 1.000
* 05/03/2020 GT/2 V. AIR COOLER 121-DC 5.000 2.000
Select required product and its qty whose barcode we want and click on “Print”.
We’ve selected 1 qty of refrigerator and 2 of Air cooler.
So it makes total 3 labels to print.
Change Qty
Print
Total Label = 3

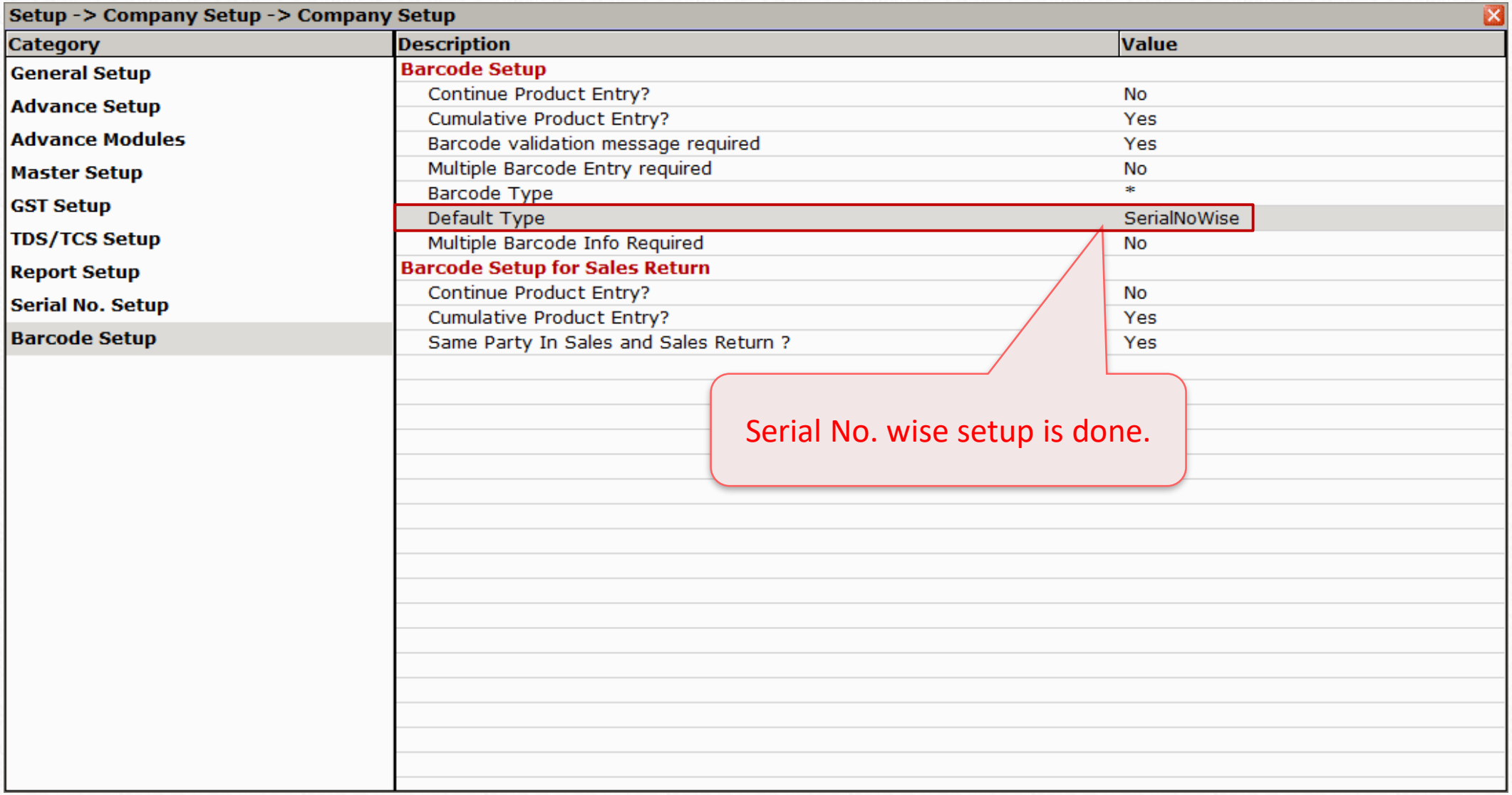

Report Preview
Purchase Bill
1
1
100
Barcode Setup
S31NVND
Barcode Setup
121DC
Barcode Setup
121DC
Here, we can see that one barcode label is skipped.

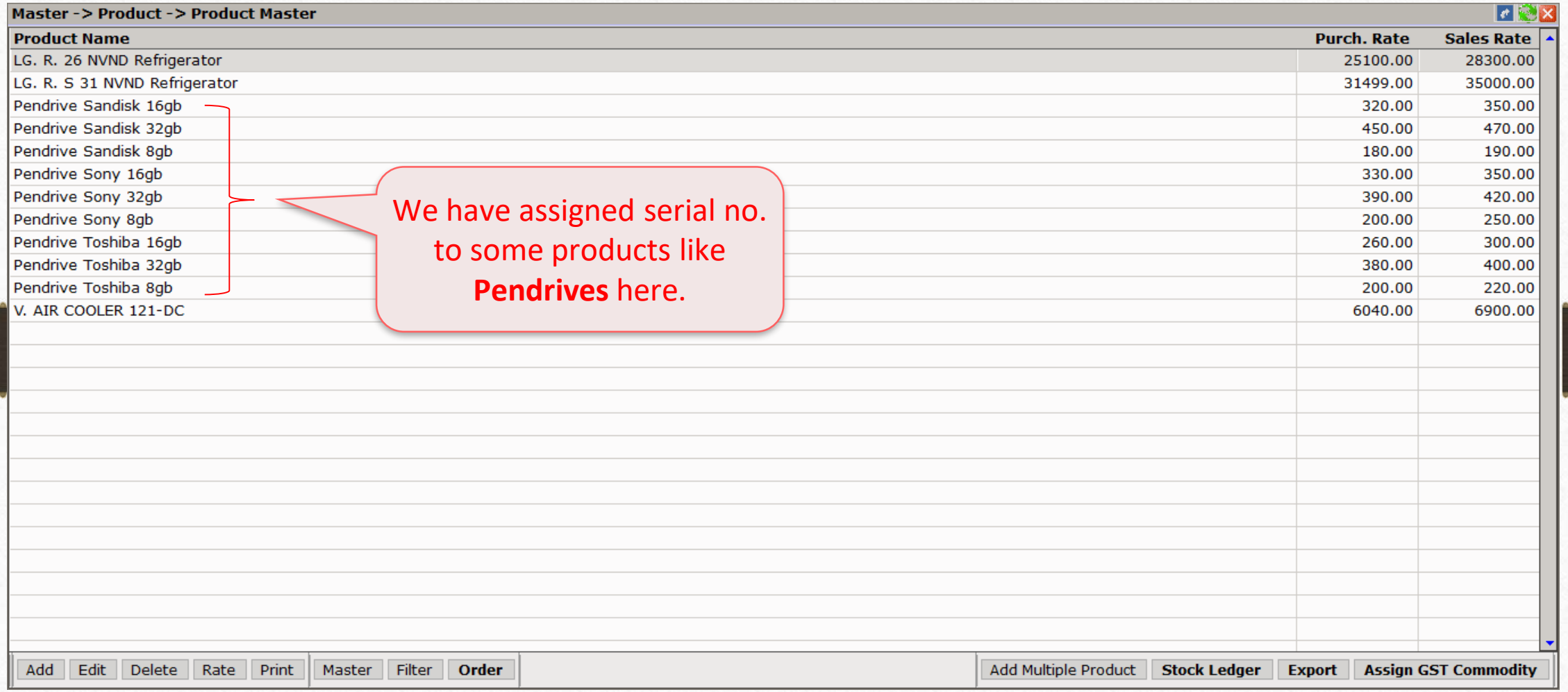
Laser, Inkjet & Copier Label ST-56 A4
50.0mm x 20.1mm x 56
Oddy
Barcode Setup
26NVND
Barcode Setup
S31NVND
Barcode Setup
121DC
Barcode Setup
121DC
Previously printed barcode.
New Barcodes.
This is how we can skip labels if required.

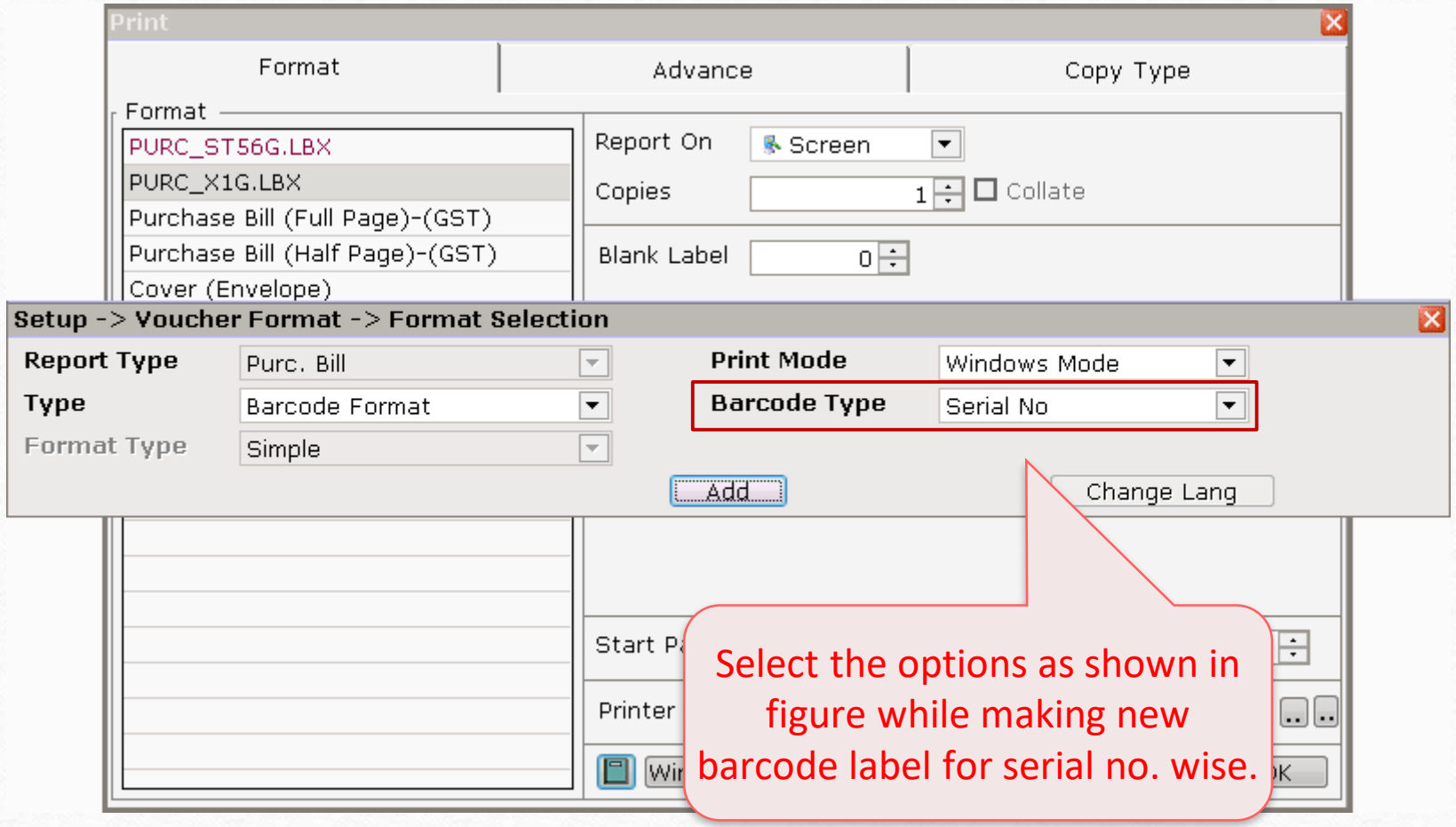
Product's Serial No. wise Barcode

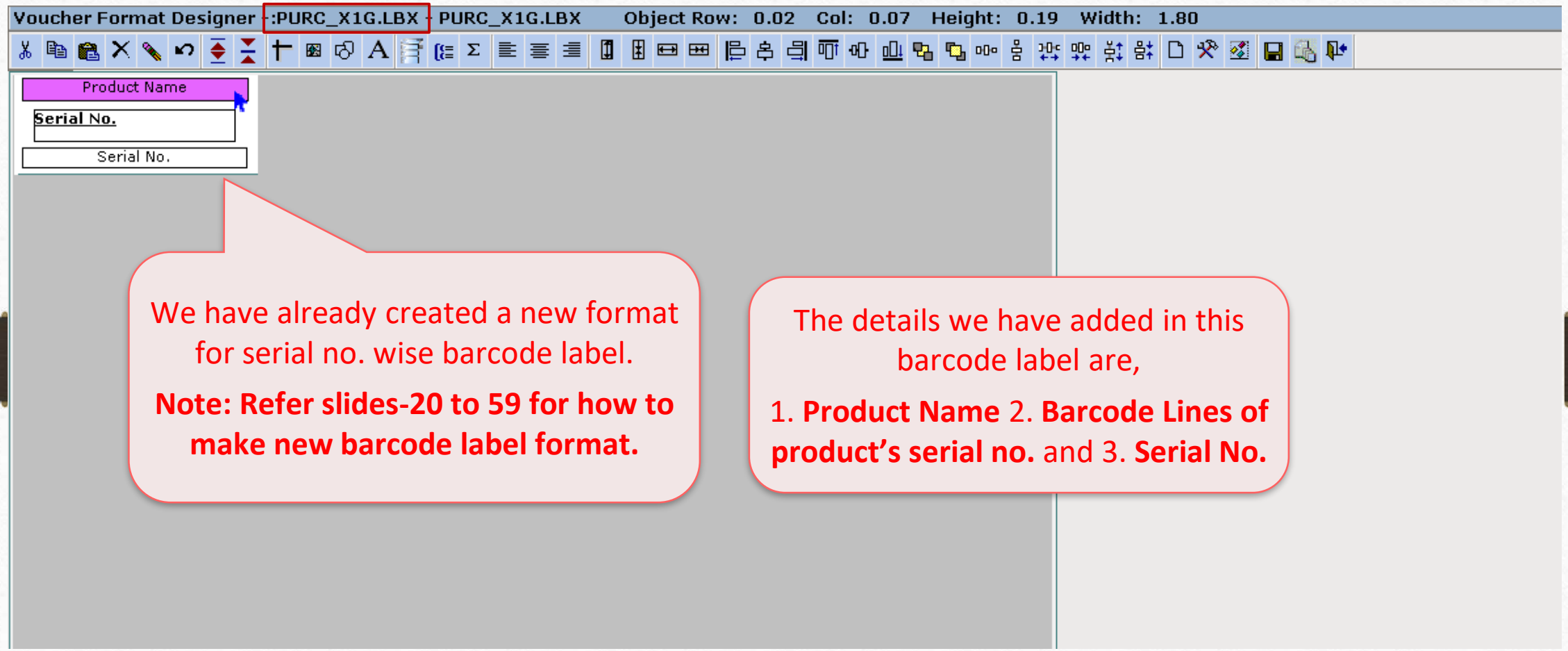
Make sure you have assigned serial no. to the products


Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Description
Value
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required No
Barcode Type *
Default Type Productwise
Multiple Barcode Info Required
Barcode Setup
Seq
Barcode Type
Detail
1 SERIALNOWISE Serial No
OK
Go to “Barcode Type” option.
Select SERIALNOWISE in “Barcode type” and Serial No in “Detail”


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required No
Barcode Type *
Default Type SerialNoWise
Multiple Barcode Info Required No
Barcode Setup for Sales Return
Continue Product Entry? No
Cumulative Product Entry? Yes
Same Party In Sales and Sales Return ? Yes
Serial No. wise setup is done.


Master -> Product -> Product Master
Product Name
Purch. Rate
Sales Rate
LG. R. 26 NVND Refrigerator 25100.00 28300.00
LG. R. S 31 NVND Refrigerator 31499.00 35000.00
Pendrive Sandisk 16gb 320.00 350.00
Pendrive Sandisk 32gb 450.00 470.00
Pendrive Sandisk 8gb 180.00 190.00
Pendrive Sony 16gb 330.00 350.00
Pendrive Sony 32gb 390.00 420.00
Pendrive Sony 8gb 200.00 250.00
Pendrive Toshiba 16gb 260.00 300.00
Pendrive Toshiba 32gb 380.00 400.00
Pendrive Toshiba 8gb 200.00 220.00
V. AIR COOLER 121-DC 6040.00 6900.00
We have assigned serial no. to some products like **Pendrives** here.
Add
Edit
Delete
Rate
Print
Master
Filter
Order
Add Multiple Product
Stock Ledger
Export
Assign GST Commodity


Print
Format
Advance
Copy Type
Format
PURC_ST56G.LBX
PURC_X1G.LBX
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Report On
Screen
Copies
1
Collate
Blank Label
0
Setup -> Voucher Format -> Format Selection
Report Type
Purc. Bill
Type
Barcode Format
Format Type
Simple
Print Mode
Windows Mode
Barcode Type
Serial No
Add
Change Lang
Start P
Printer
Select the options as shown in figure while making new barcode label for serial no. wise.



We have already created a new format for serial no. wise barcode label.

Note: Refer slides-20 to 59 for how to make new barcode label format.

The details we have added in this barcode label are,

1. **Product Name** 2. **Barcode Lines of product's serial no.** and 3. **Serial No.**

Transaction -> Purchase Entry -> Purchase Invoice -> Edit Purc. Bill(GST)

Cash/Debit: Debit
Party A/c.: UTECH
Bal. : 4,793.00 CR

Invoice Type: GST
Purc A/c.: Purchase A/c. (GST)
Tax/Bill of Supply: Tax Invoice

Vou Date: 09/03/2020 Mon
Voucher No:
Bill No: GT/4
Bill Date: 09/03/2020

Product Name	Qty	Rate	Amount
Pendrive Sandisk 16gb	2.000	320.00	640.00
Pendrive Sandisk 32gb	2.000	450.00	900.00
Pendrive Sandisk 8gb	1.000	180.00	180.00
Total Entry : 1/3	**5.000**		**1720.00**

1,720.00 DB

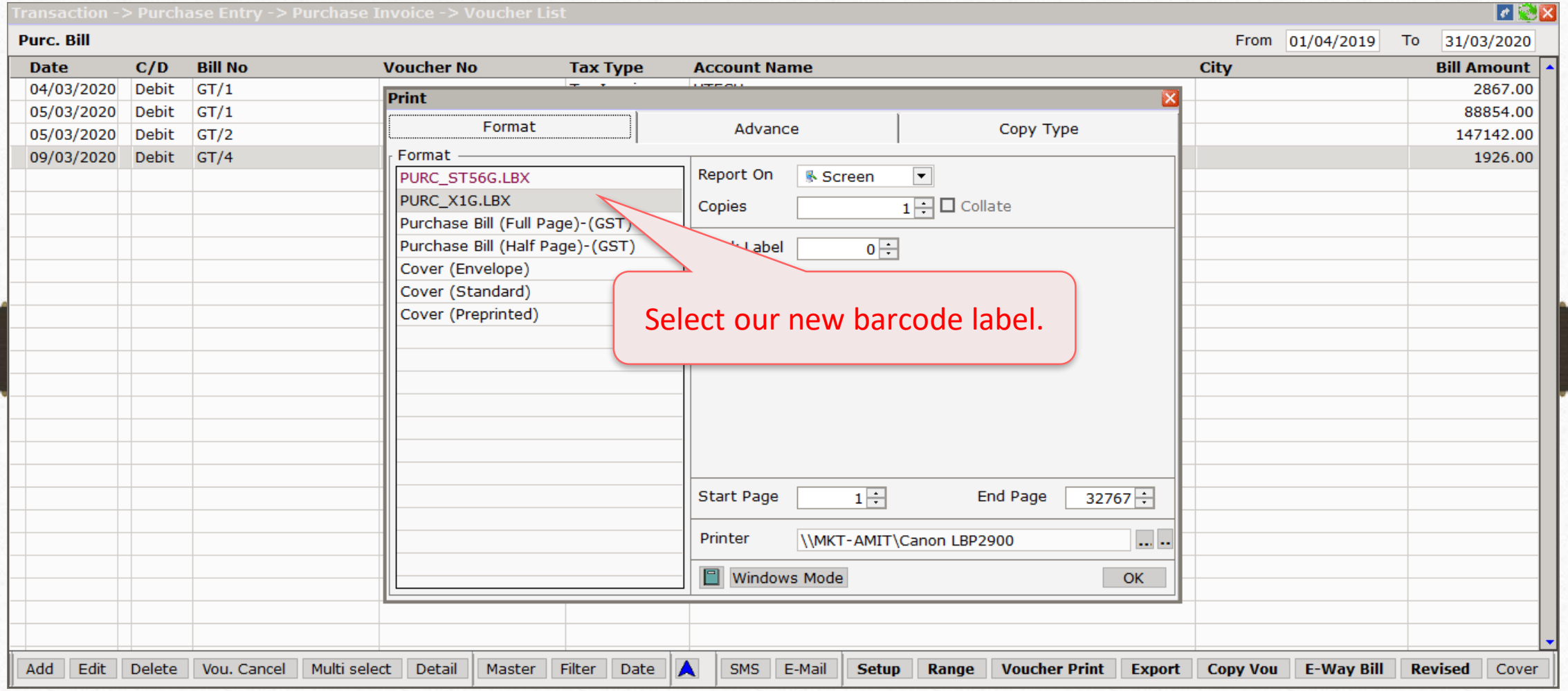
This is a purchase invoice of the products.

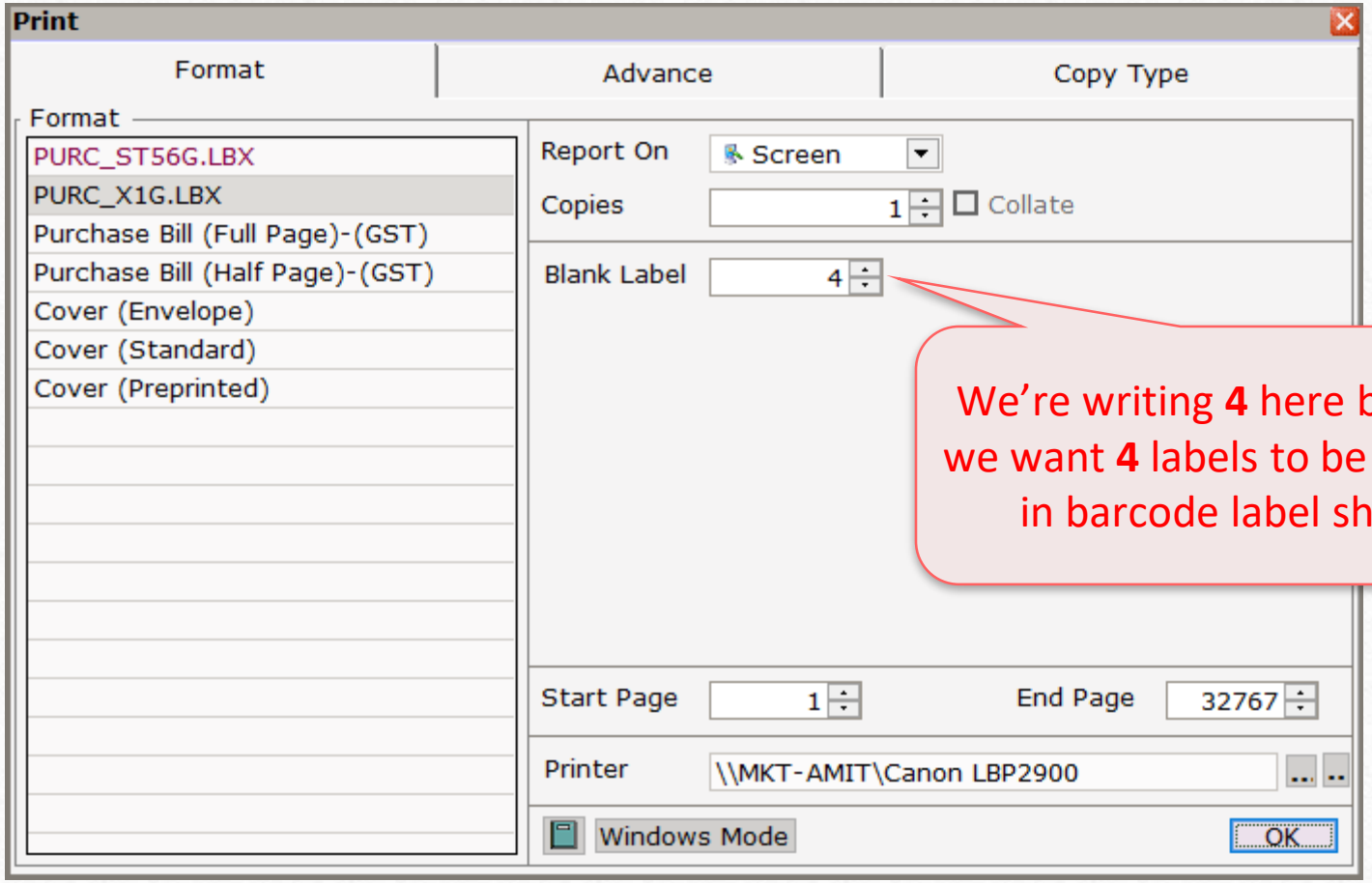
Let us move to print dialog box.

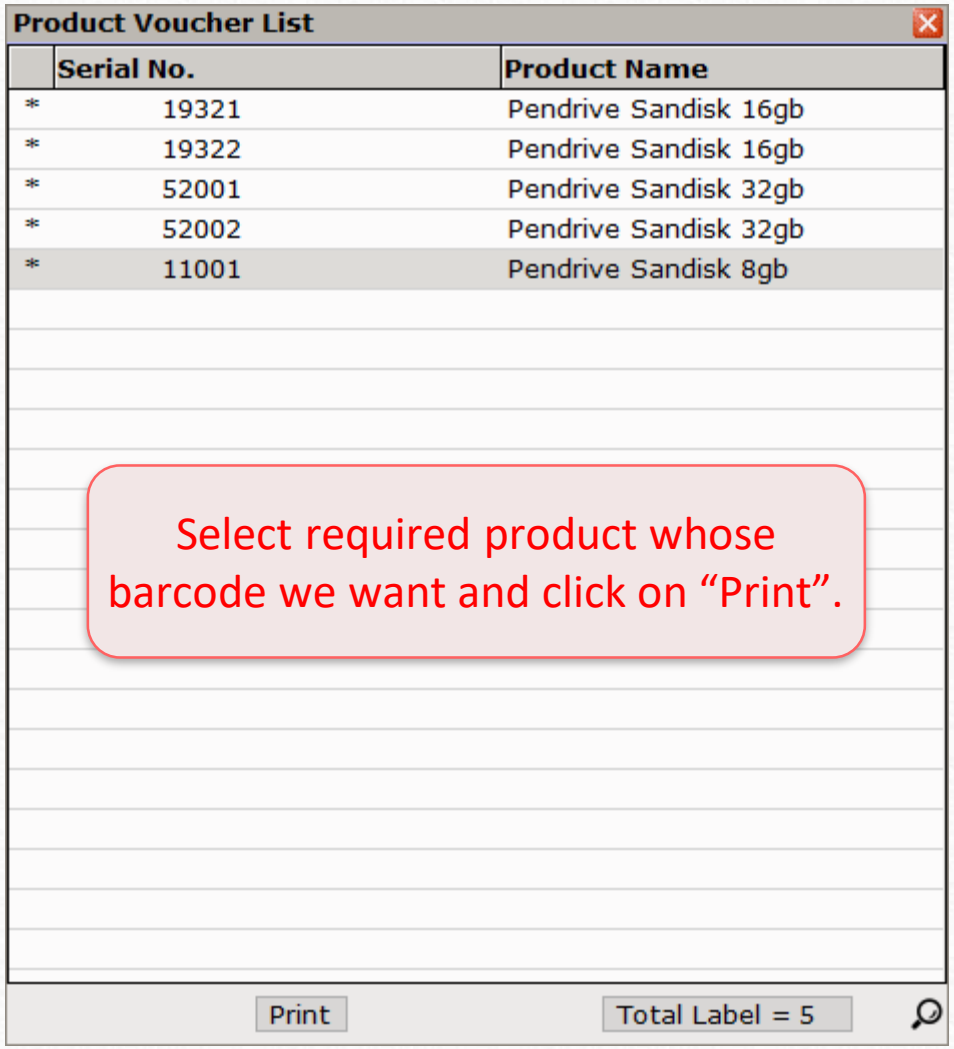
Discount	(-)	0.000	0.00
Freight			0.00
Central Tax			103.20
State/UT Tax			103.20
Round Off			-0.40
Bill Amount			**1,926.00 CR**

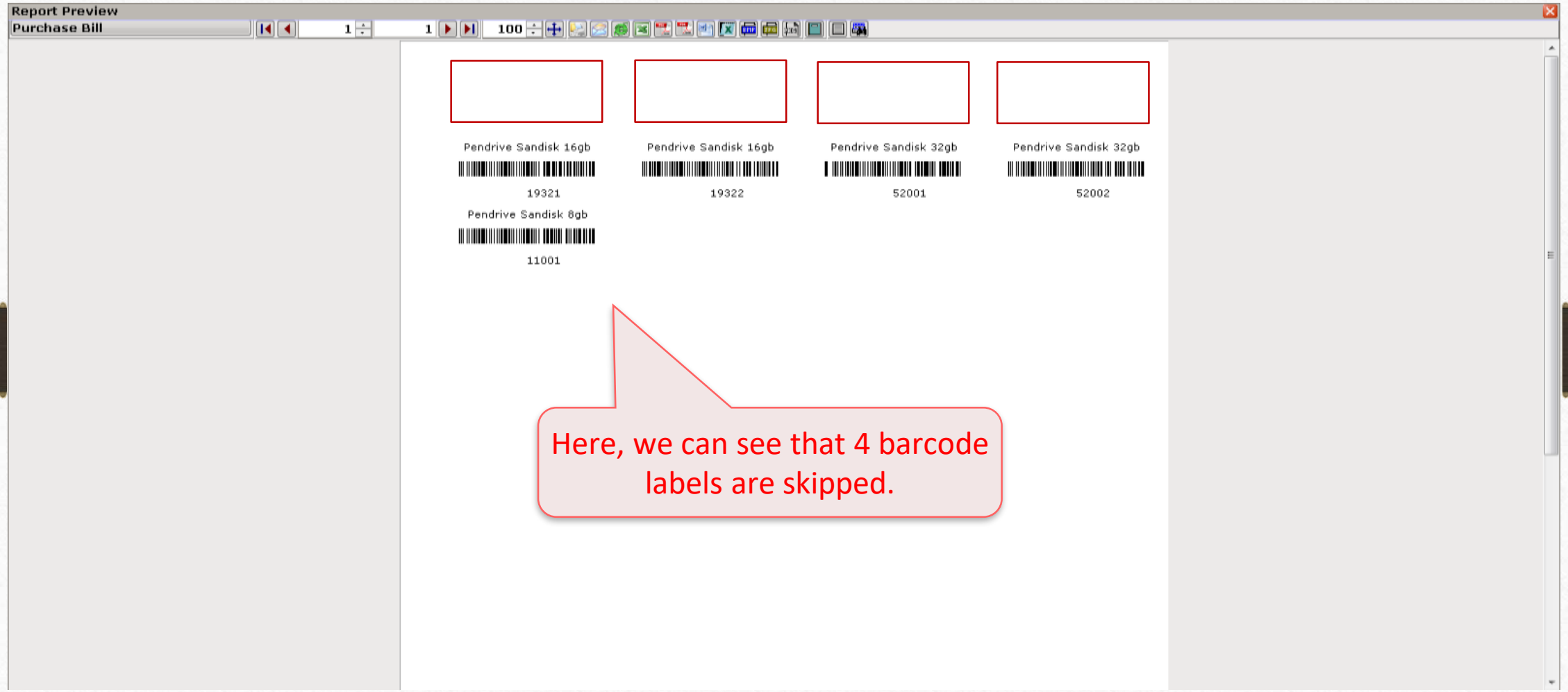
Narration

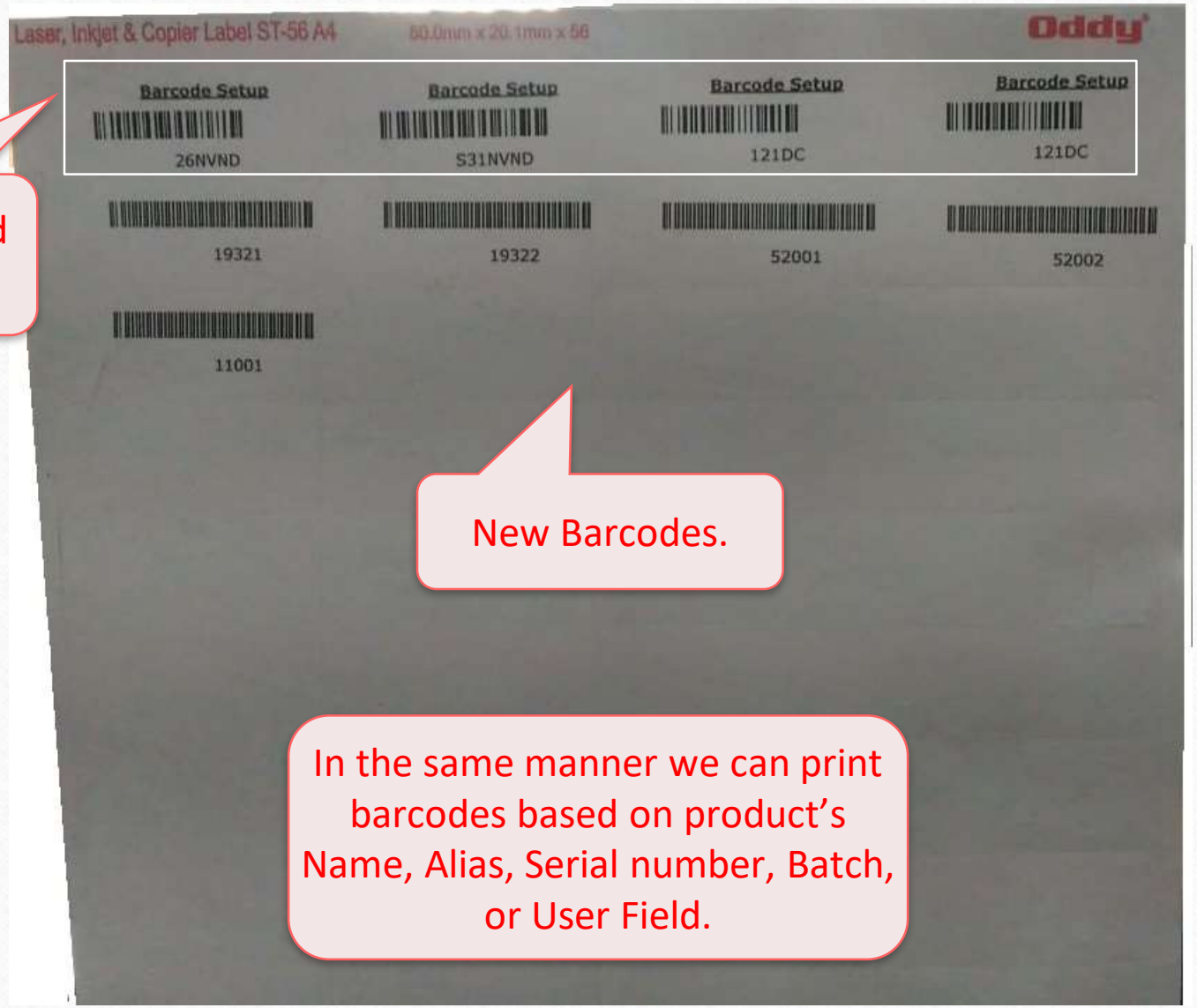
OK | Print


Transaction -> Purchase Entry -> Purchase Invoice -> Voucher List
Purc. Bill
From 01/04/2019 To 31/03/2020
Date C/D Bill No Voucher No Tax Type Account Name City Bill Amount
04/03/2020 Debit GT/1 2867.00
05/03/2020 Debit GT/1 88854.00
05/03/2020 Debit GT/2 147142.00
09/03/2020 Debit GT/4 1926.00
Print
Format
Advance
Copy Type
Format
PURC_ST56G.LBX
PURC_X1G.LBX
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On Screen
Copies 1 Collate
Label 0
Select our new barcode label.
Start Page 1 End Page 32767
Printer \\MKT-AMIT\Canon LBP2900
Windows Mode
OK
Add Edit Delete Vou. Cancel Multi select Detail Master Filter Date SMS E-Mail Setup Range Voucher Print Export Copy Vou E-Way Bill Revised Cover


Print
Format
Advance
Copy Type
Format
PURC_ST56G.LBX
PURC_X1G.LBX
Purchase Bill (Full Page)-(GST)
Purchase Bill (Half Page)-(GST)
Cover (Envelope)
Cover (Standard)
Cover (Preprinted)
Report On
Screen
Copies
1
Collate
Blank Label
4
We're writing 4 here because we want 4 labels to be skipped in barcode label sheet.
Start Page
1
End Page
32767
Printer
\\MKT-AMIT\Canon LBP2900
Windows Mode
OK


Product Voucher List
Serial No.
Product Name
* 19321 Pendrive Sandisk 16gb
* 19322 Pendrive Sandisk 16gb
* 52001 Pendrive Sandisk 32gb
* 52002 Pendrive Sandisk 32gb
* 11001 Pendrive Sandisk 8gb
Select required product whose barcode we want and click on “Print”.
Print
Total Label = 5


Report Preview
Purchase Bill
1
1
100
Pendrive Sandisk 16gb
19321
Pendrive Sandisk 16gb
19322
Pendrive Sandisk 32gb
52001
Pendrive Sandisk 32gb
52002
Pendrive Sandisk 8gb
11001
Here, we can see that 4 barcode labels are skipped.



Previously printed barcode.

New Barcodes.

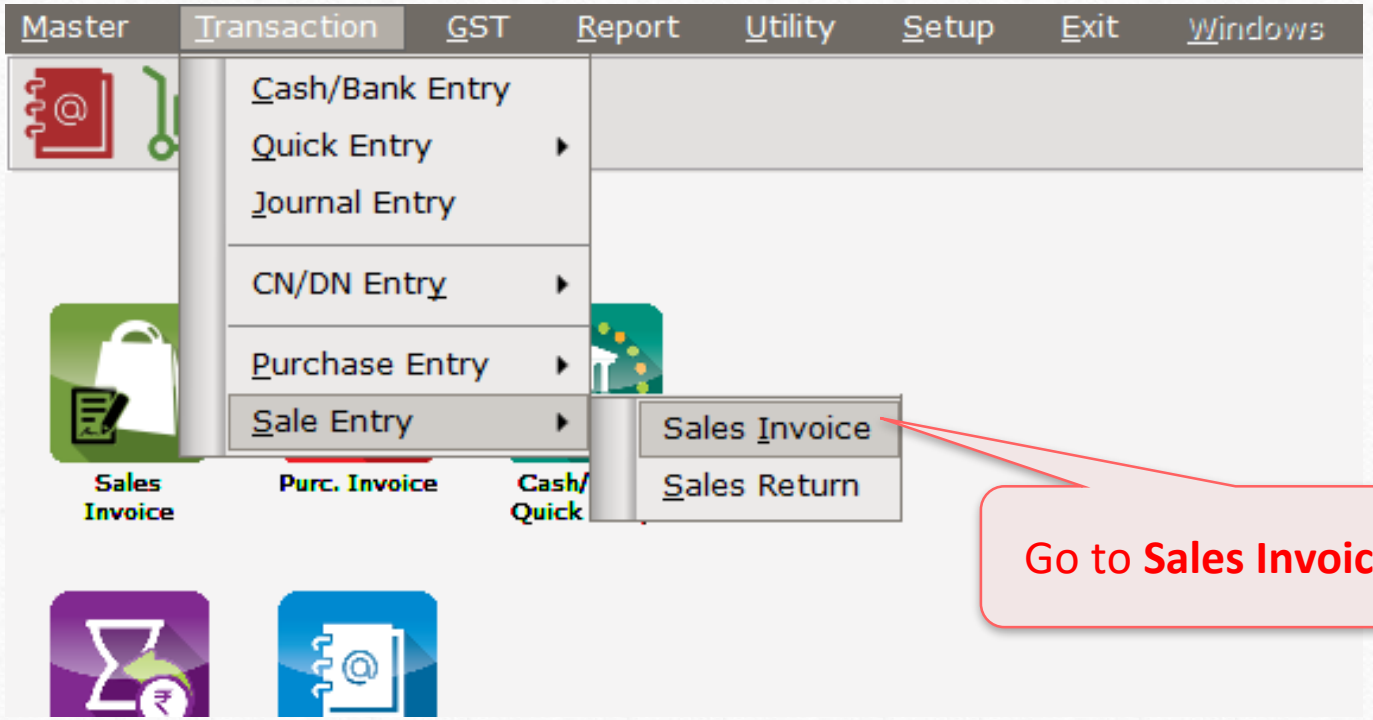
In the same manner we can print barcodes based on product's Name, Alias, Serial number, Batch, or User Field.

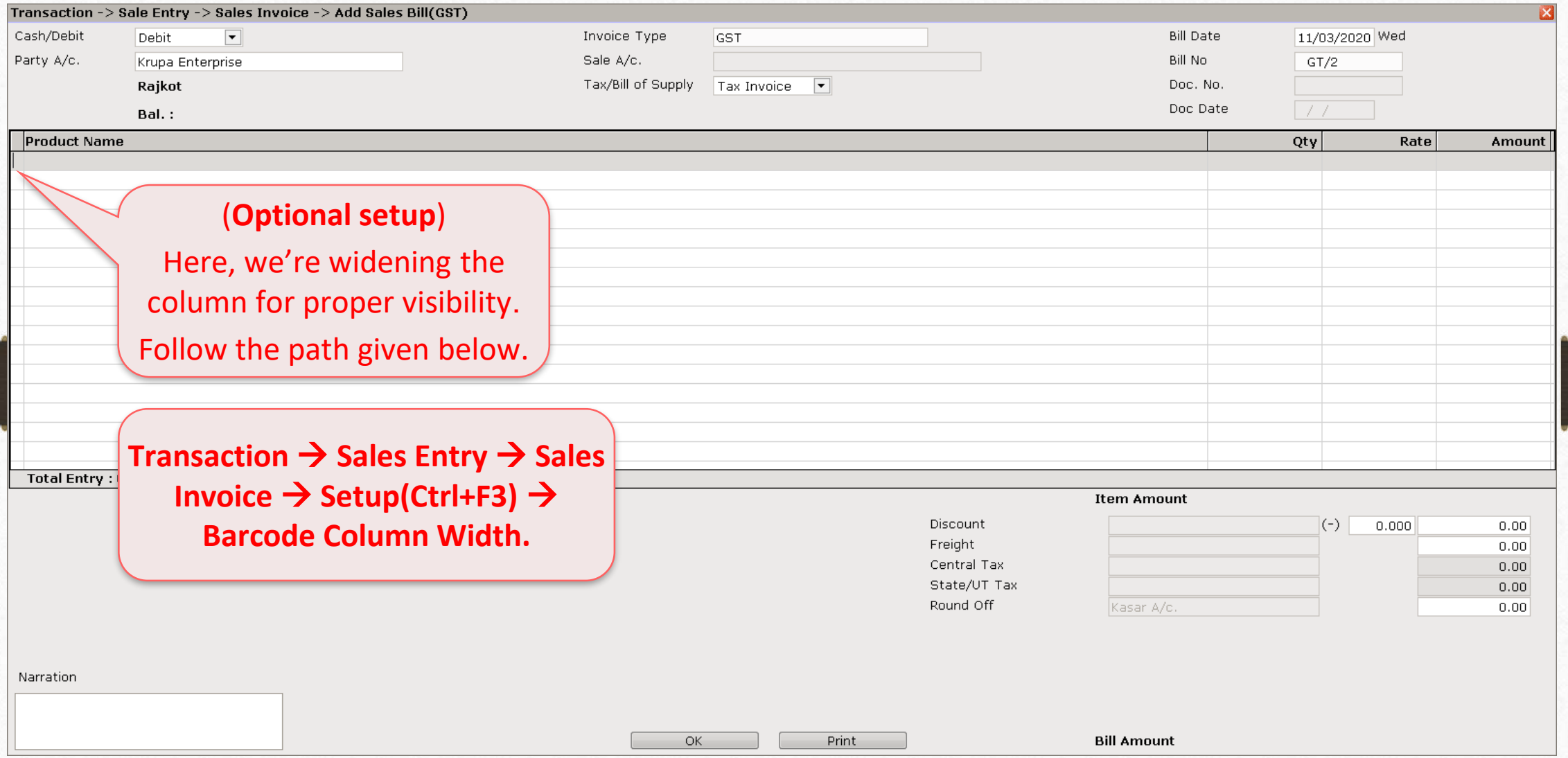
Barcode Scanning

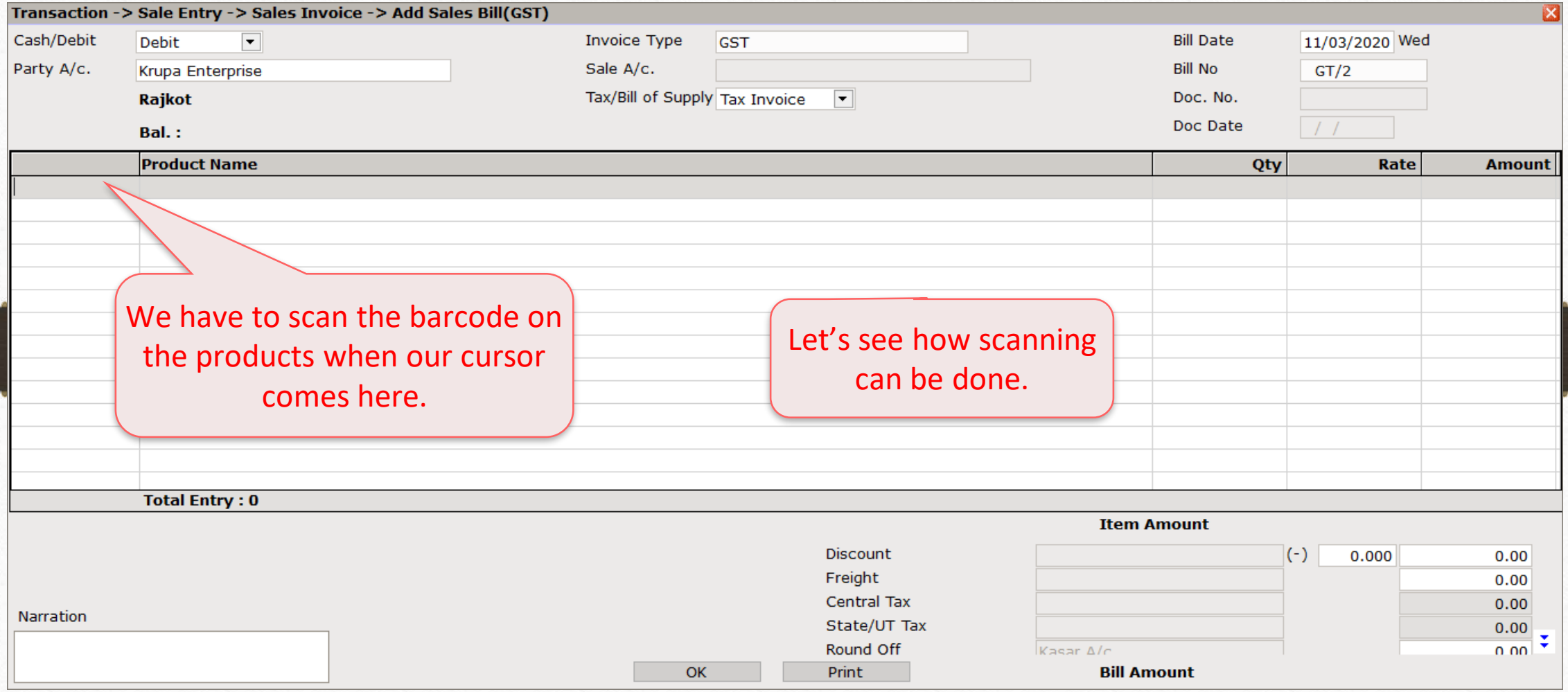
- When we talk about a barcode, the POS system and barcode scanner become the other side of a coin.
- Before we move to the barcode scanning, user must set up the barcode scanner with computer/laptop.
- Remember that POS system can also be set up with computer system like barcode scanner.
  - (Note: To know more about POS entry setup in Miracle, follow the link below, https://www.youtube.com/watch?v=6ervyLGrgJQ)
- Now, we know that during sales, we use barcode scanner. So, by following a sales invoice let us learn barcode scanning.

Before that,

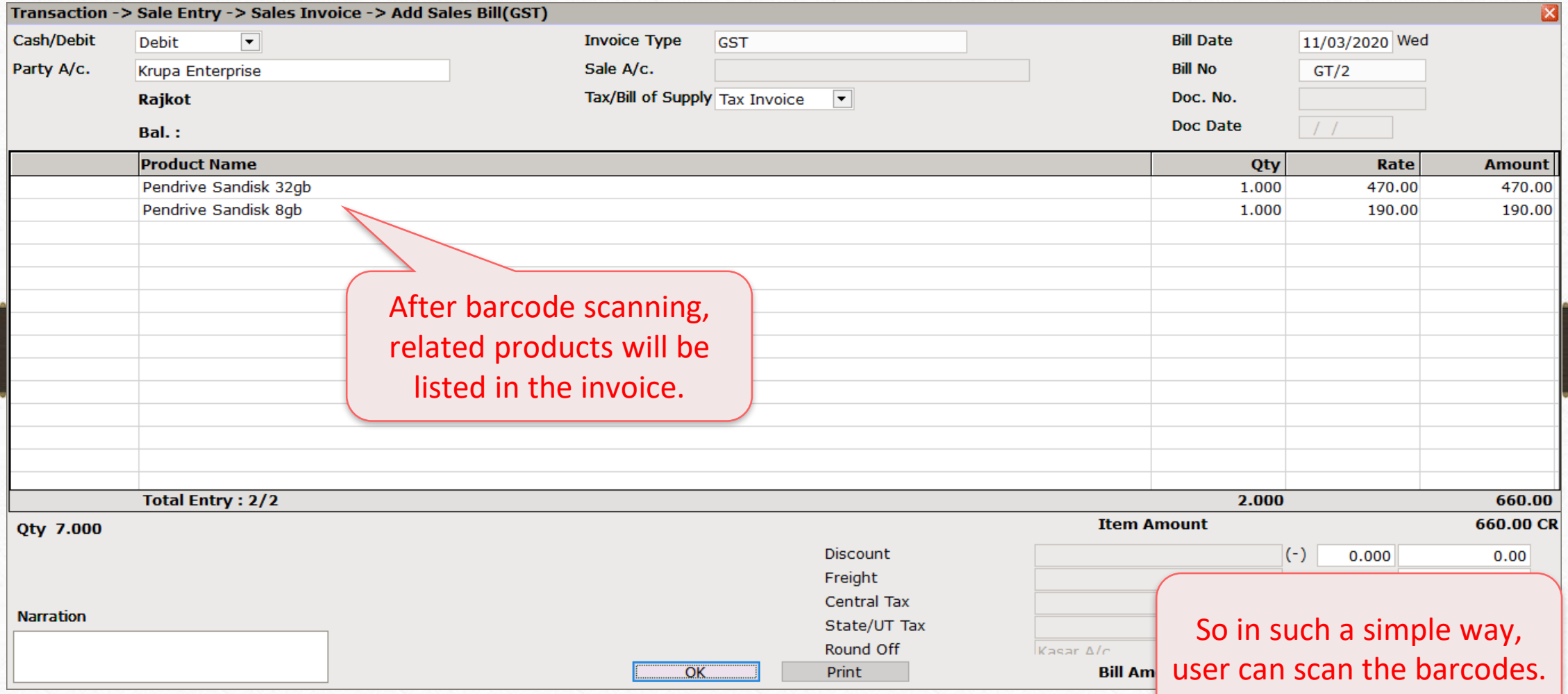
- What if barcode is already printed on the product and not generated in Miracle?
- In solution to that, user can scan the barcode also and make his purchase entry easier by just creating the account of the product in product master with its printed barcode number.
- Barcode number is always there on the product. So user can insert that number as serial number while creating account of the product.


Master
Transaction
GST
Report
Utility
Setup
Exit
Windows
Cash/Bank Entry
Quick Entry
Journal Entry
CN/DN Entry
Purchase Entry
Sale Entry
Sales Invoice
Sales Return
Sales Invoice
Purc. Invoice
Cash/ Quick
Go to **Sales Invoice** option.

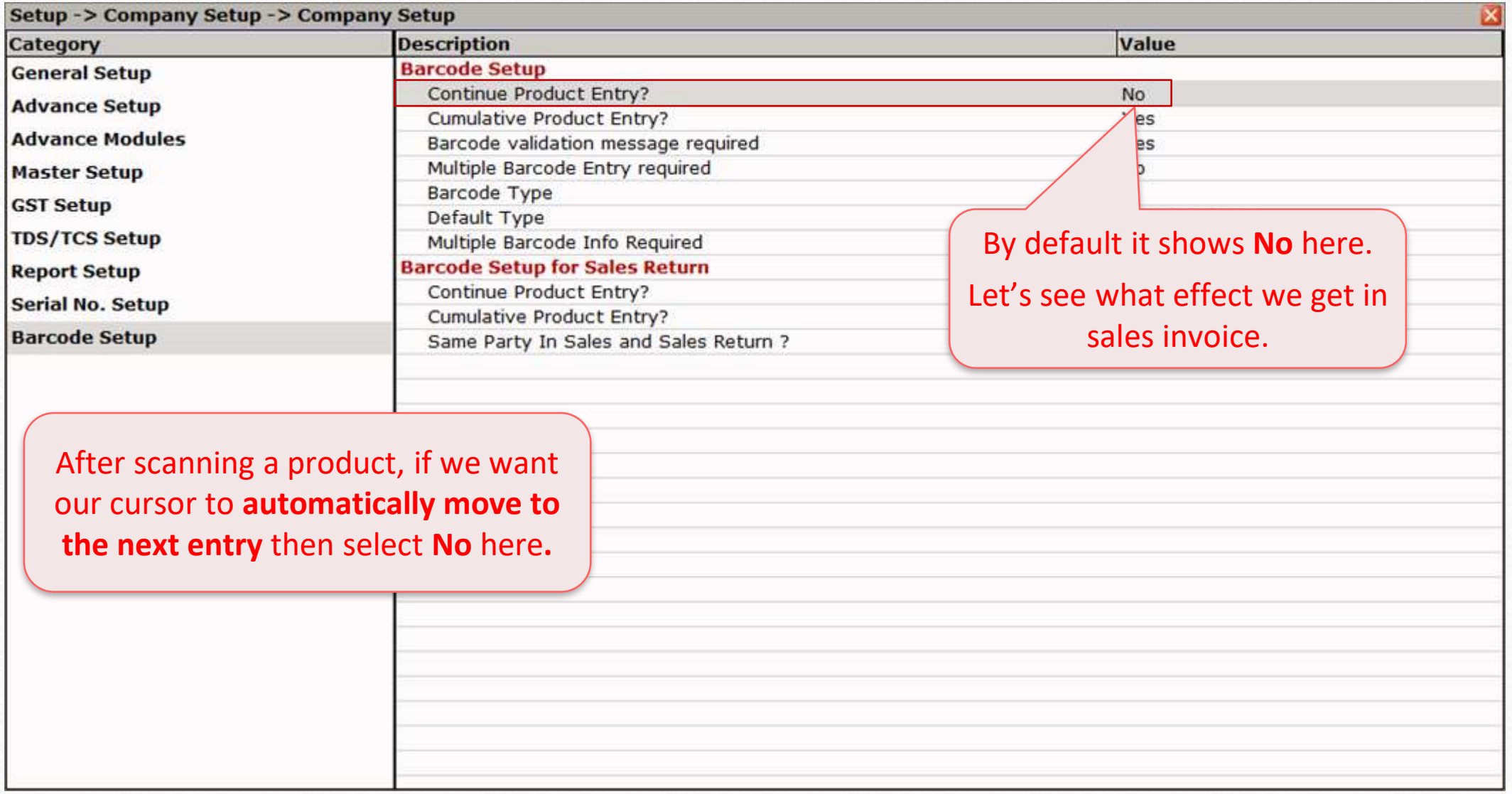

Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)
Cash/Debit
Debit
Party A/c.
Krupa Enterprise
Rajkot
Bal. :
Invoice Type
GST
Sale A/c.
Tax/Bill of Supply
Tax Invoice
Bill Date
11/03/2020 Wed
Bill No
GT/2
Doc. No.
Doc Date
Product Name
Qty
Rate
Amount
(Optional setup)
Here, we're widening the column for proper visibility.
Follow the path given below.
Transaction → Sales Entry → Sales Invoice → Setup(Ctrl+F3) → Barcode Column Width.
Total Entry :
Item Amount
Discount
(-)
0.000
0.00
Freight
0.00
Central Tax
0.00
State/UT Tax
0.00
Round Off
Kasar A/c.
0.00
Narration
OK
Print
Bill Amount


Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)
Cash/Debit
Debit
Party A/c.
Krupa Enterprise
Rajkot
Bal. :
Invoice Type
GST
Sale A/c.
Tax/Bill of Supply
Tax Invoice
Bill Date
11/03/2020
Wed
Bill No
GT/2
Doc. No.
Doc Date
Product Name
Qty
Rate
Amount
We have to scan the barcode on the products when our cursor comes here.
Let's see how scanning can be done.
Total Entry : 0
Item Amount
Discount
(-)
0.000
0.00
Freight
0.00
Central Tax
0.00
State/UT Tax
0.00
Round Off
Kasar A/c
0.00
Narration
OK
Print
Bill Amount

Sales Invoice on the screen
Barcodes on label-sheet (which is applied to the products)
Barcode Scanner


Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)
Cash/Debit
Debit
Party A/c.
Krupa Enterprise
Rajkot
Bal. :
Invoice Type
GST
Sale A/c.
Tax/Bill of Supply
Tax Invoice
Bill Date
11/03/2020
Wed
Bill No
GT/2
Doc. No.
Doc Date
Product Name
Qty
Rate
Amount
Pendrive Sandisk 32gb
1.000
470.00
470.00
Pendrive Sandisk 8gb
1.000
190.00
190.00
Total Entry : 2/2
2.000
660.00
Qty 7.000
Item Amount
660.00 CR
Discount
(-)
0.000
0.00
Freight
Central Tax
State/UT Tax
Round Off
Kasar A/c
Narration
OK
Print
Bill Am
After barcode scanning, related products will be listed in the invoice.
So in such a simple way, user can scan the barcodes.

More Setup of Barcode


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry?
No
Cumulative Product Entry?
Barcode validation message required
Multiple Barcode Entry required
Barcode Type
Default Type
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
By default it shows No here.
Let's see what effect we get in sales invoice.
After scanning a product, if we want our cursor to automatically move to the next entry then select No here.

Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)

Cash/Debit: Debit
Party A/c.: G H Mehta & Co.
Bal. :

Invoice Type: GST
Sale A/c.:
Tax/Bill of Supply: Tax Invoice

Bill Date: 11/03/2020 Wed
Bill No: GT/3
Doc. No.:
Doc Date: / /

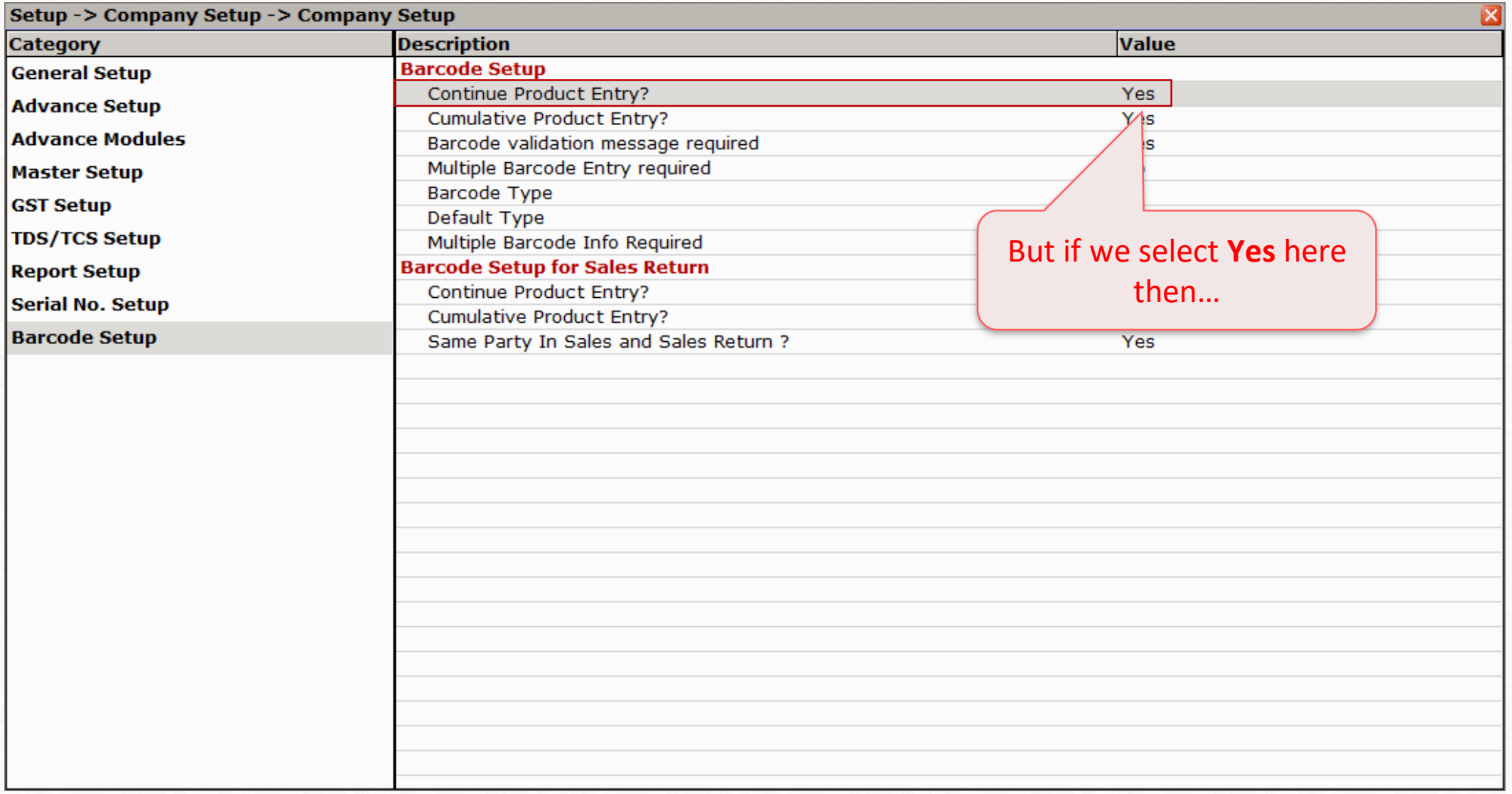
	Product Name	Qty	Rate	Amount
	Pendrive Sandisk 8gb	1.000	190.00	190.00
	Total Entry : 1	1.000		190.00

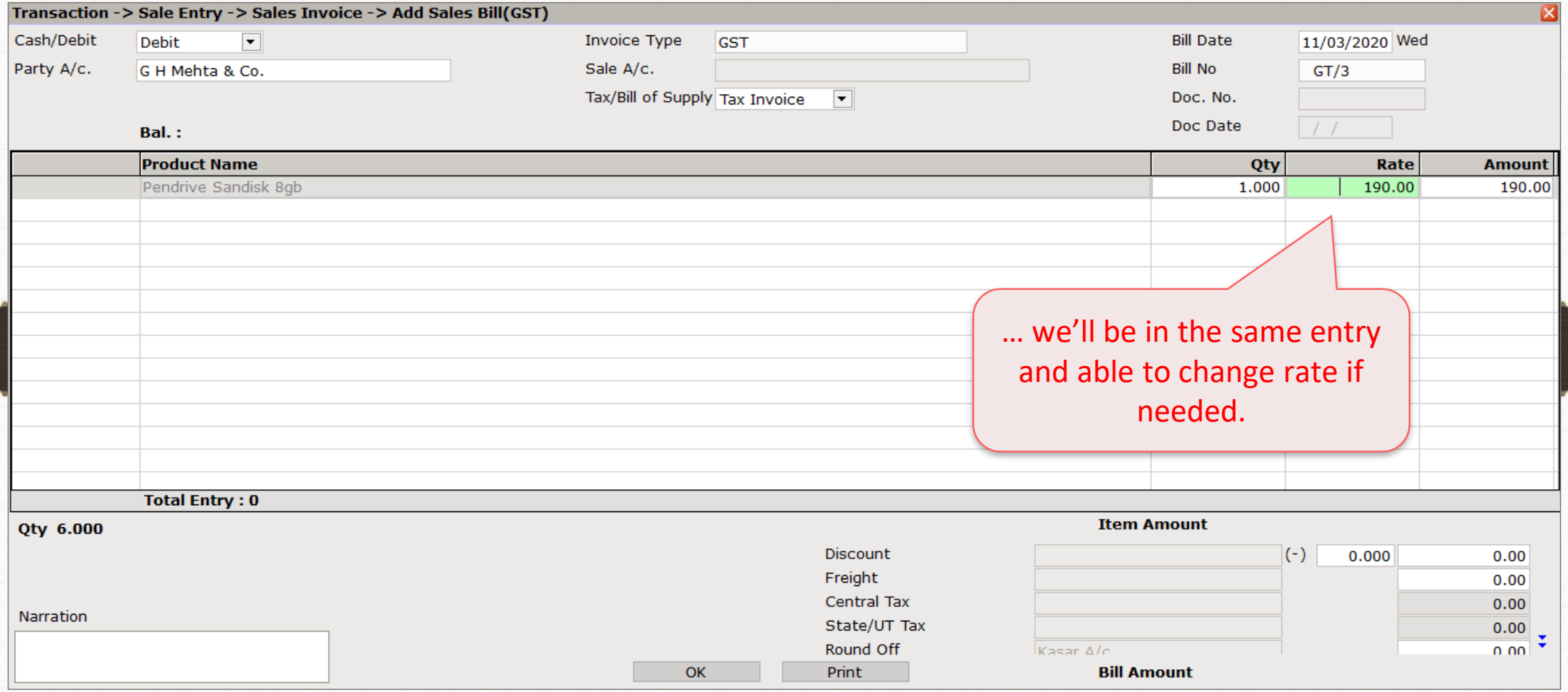
Here, we can see that our cursor is ready for the next scan after a product scan.

Item Amount			190.00 CR
Discount		(-) 0.000	0.00
Freight			0.00
Central Tax			11.40
State/UT Tax			11.40
Round Off	Kasar A/c		0.20
Bill Amount			213.00 DB

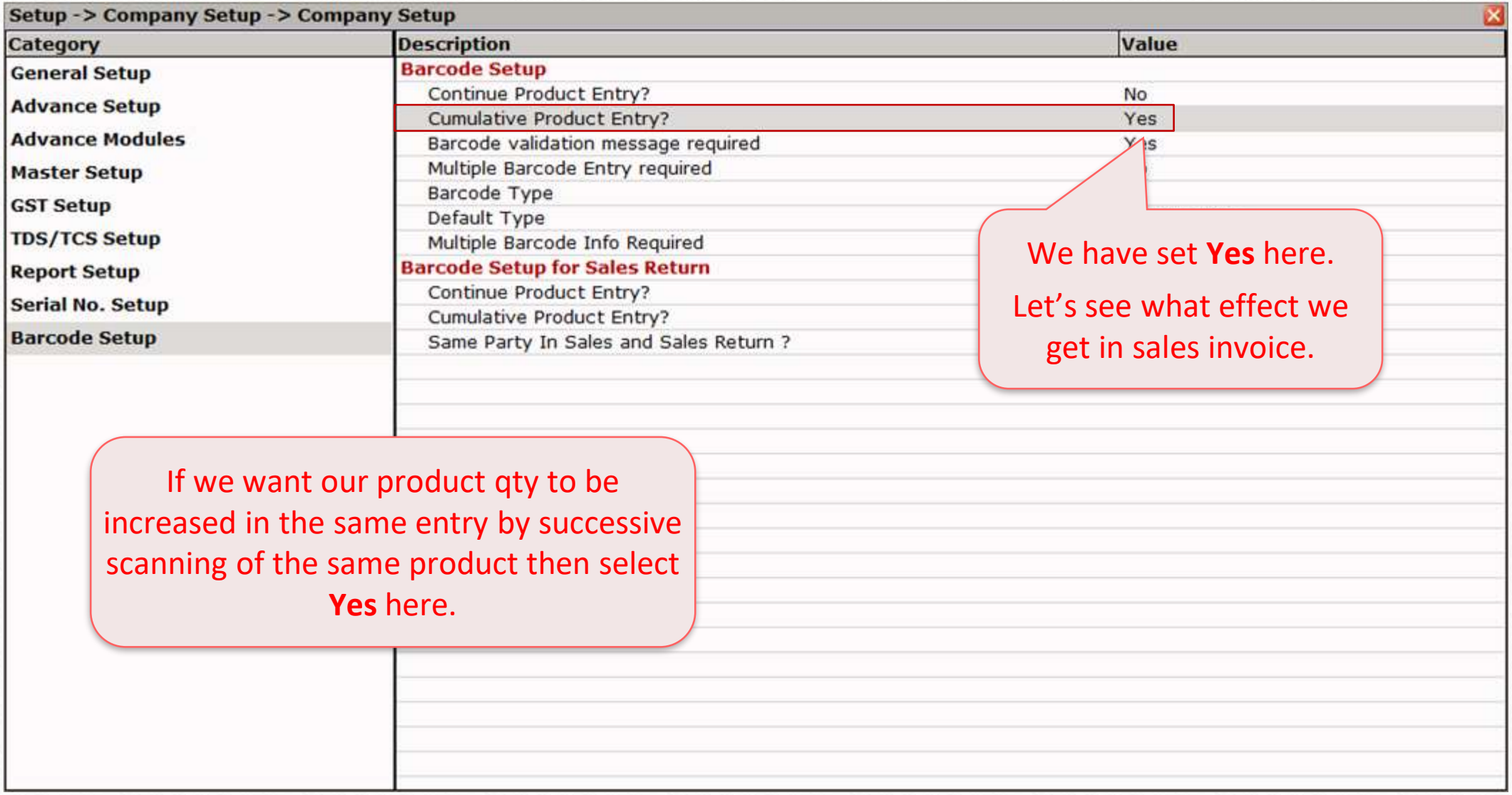
Narration

OK Print


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry?
Yes
Cumulative Product Entry?
Barcode validation message required
Multiple Barcode Entry required
Barcode Type
Default Type
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
Yes
But if we select Yes here then…



… we'll be in the same entry and able to change rate if needed.


Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Description
Value
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required
Multiple Barcode Entry required
Barcode Type
Default Type
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
We have set Yes here.
Let's see what effect we get in sales invoice.
If we want our product qty to be increased in the same entry by successive scanning of the same product then select Yes here.

Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)

Cash/Debit: Debit
Party A/c.: G H Mehta & Co.
Bal. :

Invoice Type: GST
Sale A/c.:
Tax/Bill of Supply: Tax Invoice

Bill Date: 11/03/2020 Wed
Bill No: GT/3
Doc. No.:
Doc Date: / /

	Product Name	Qty	Rate	Amount
	Pendrive Sandisk 32gb	1.000	470.00	470.00
	Total Entry : 1	**1.000**		**470.00**

Look at the qty of the product.

If we scan the same product again then…

Item Amount **470.00 CR**

Discount	(-)	0.000	0.00
Freight			0.00
Central Tax			28.20
State/UT Tax			28.20
Round Off			-0.40

Narration

OK Print

Bill Amount **526.00 DB**

Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)

Cash/Debit: Debit
Party A/c.: G H Mehta & Co.
Bal. :

Invoice Type: GST
Sale A/c.:
Tax/Bill of Supply: Tax Invoice

Bill Date: 11/03/2020 Wed
Bill No: GT/3
Doc. No.:
Doc Date: / /

	Product Name	Qty	Rate	Amount
	Pendrive Sandisk 32gb	2.000	470.00	940.00
	Total Entry : 1	**2.000**		**940.00**

… we'll get cumulative product entry.

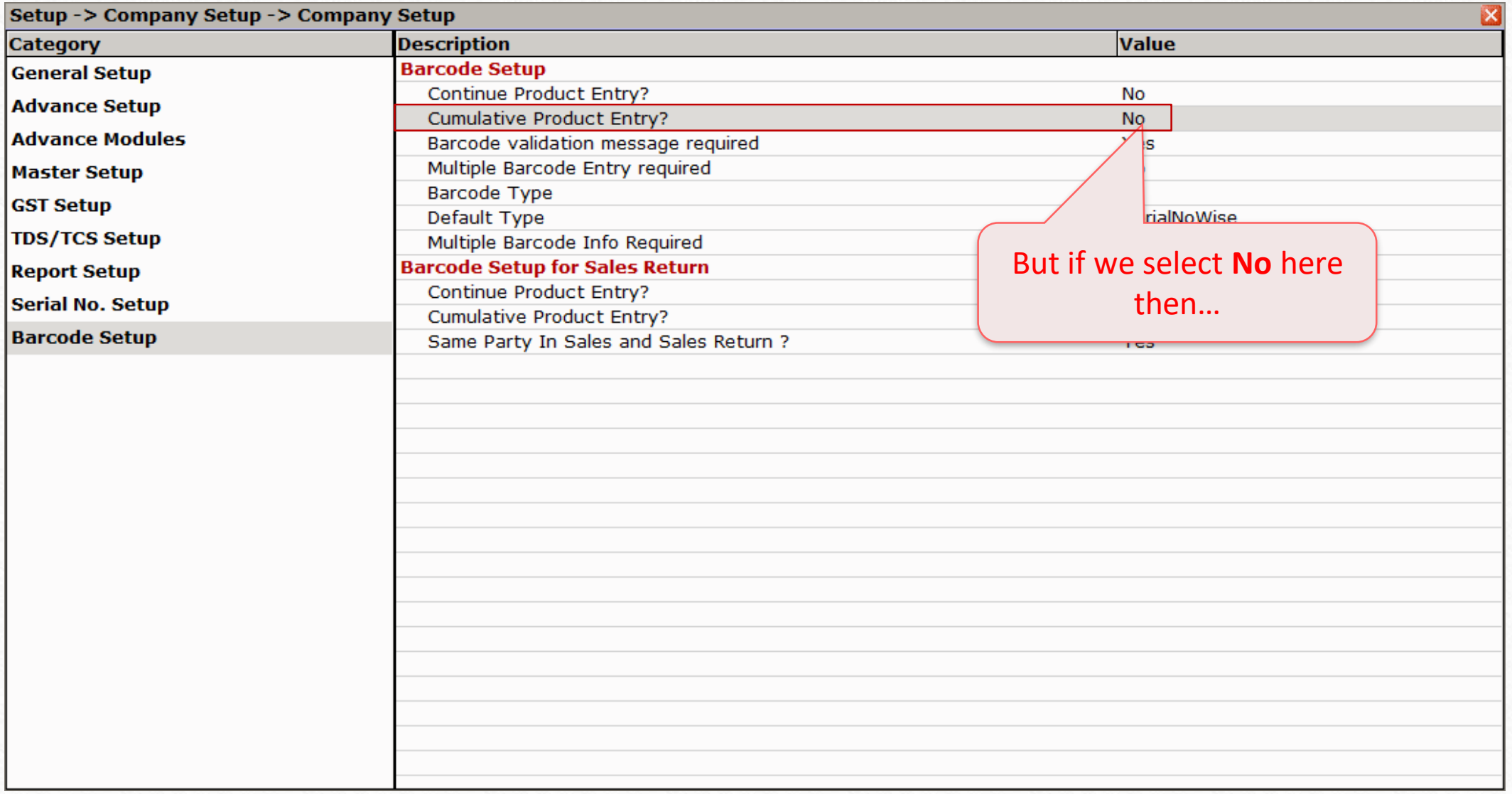
Item Amount **940.00 CR**

Discount	(-)	0.000	0.00
Freight			0.00
Central Tax			56.40
State/UT Tax			56.40
Round Off			0.20

Bill Amount **1,053.00 DB**

Narration

OK Print


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry?
No
Cumulative Product Entry?
No
Barcode validation message required
Multiple Barcode Entry required
Barcode Type
Default Type
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
But if we select No here then…

Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)

Cash/Debit	Debit	Invoice Type	GST	Bill Date	11/03/2020 Wed
Party A/c.	G H Mehta & Co.	Sale A/c.		Bill No	GT/3
		Tax/Bill of Supply	Tax Invoice	Doc. No.	
	Bal. :			Doc Date	/ /

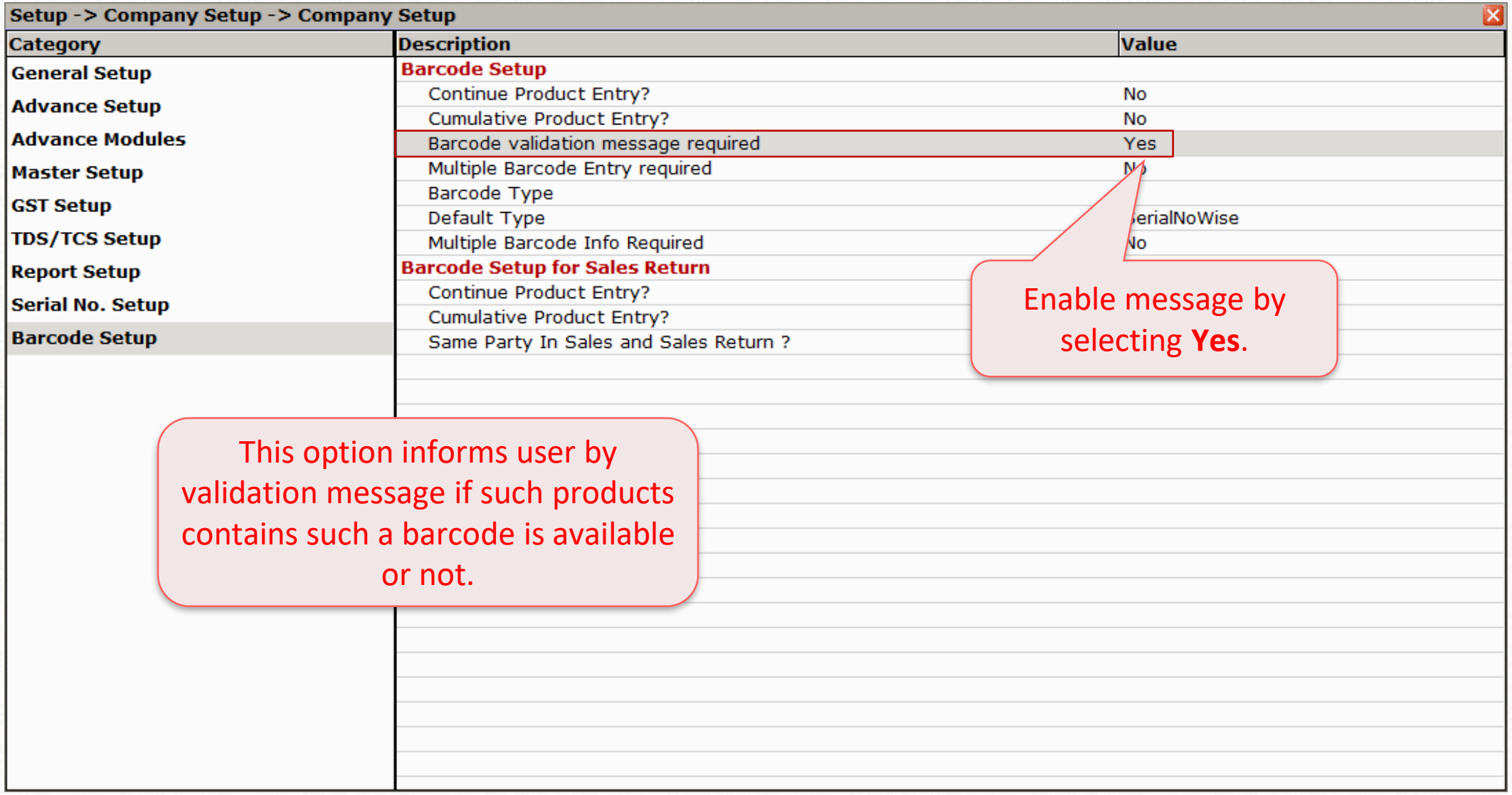
	Product Name	Qty	Rate	Amount
	Pendrive Sandisk 32gb	1.000	470.00	470.00
	Pendrive Sandisk 32gb	1.000	470.00	470.00
	Total Entry : 2	**2.000**		**940.00**

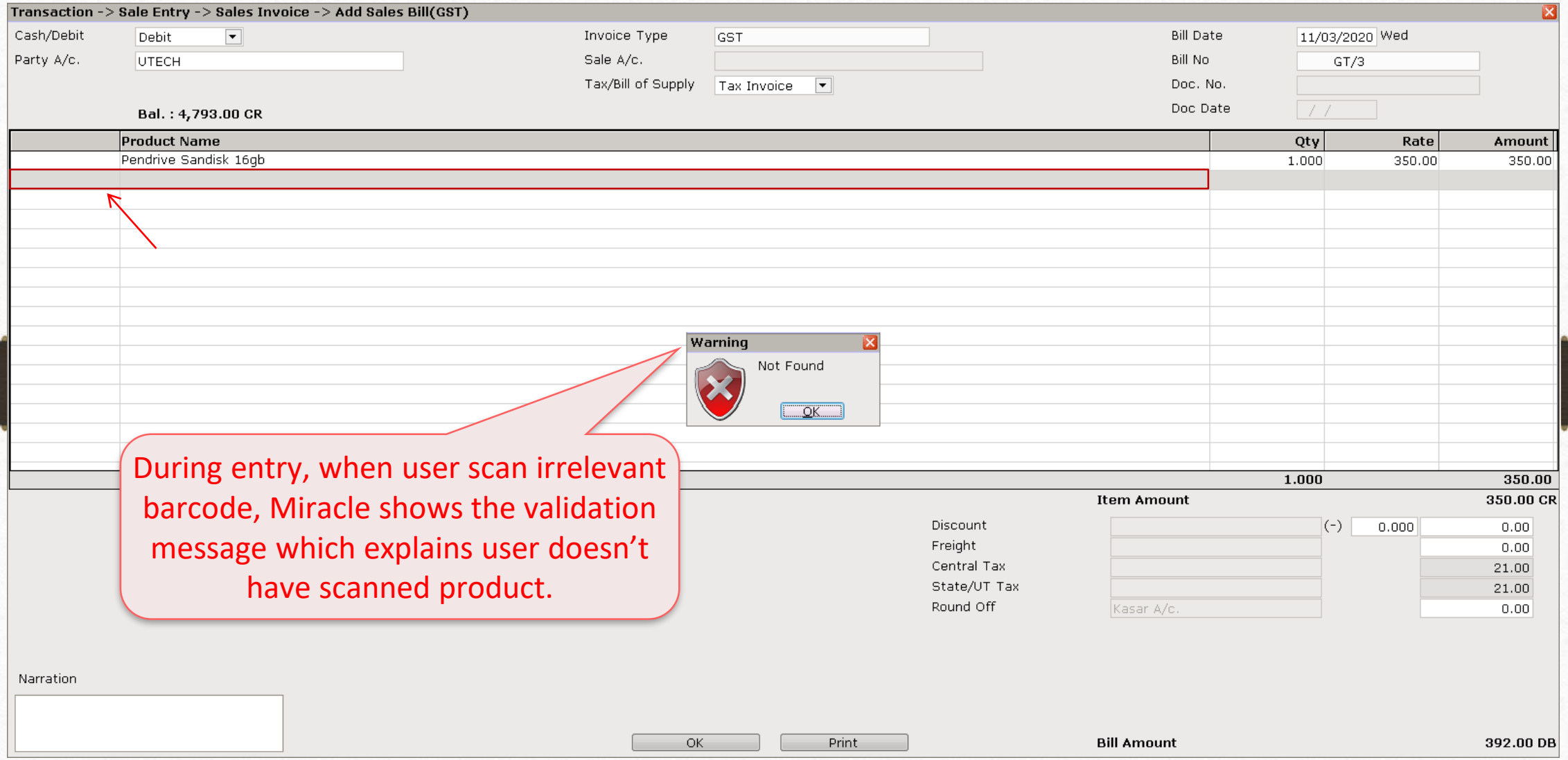
… we'll get two different entries of the same product.

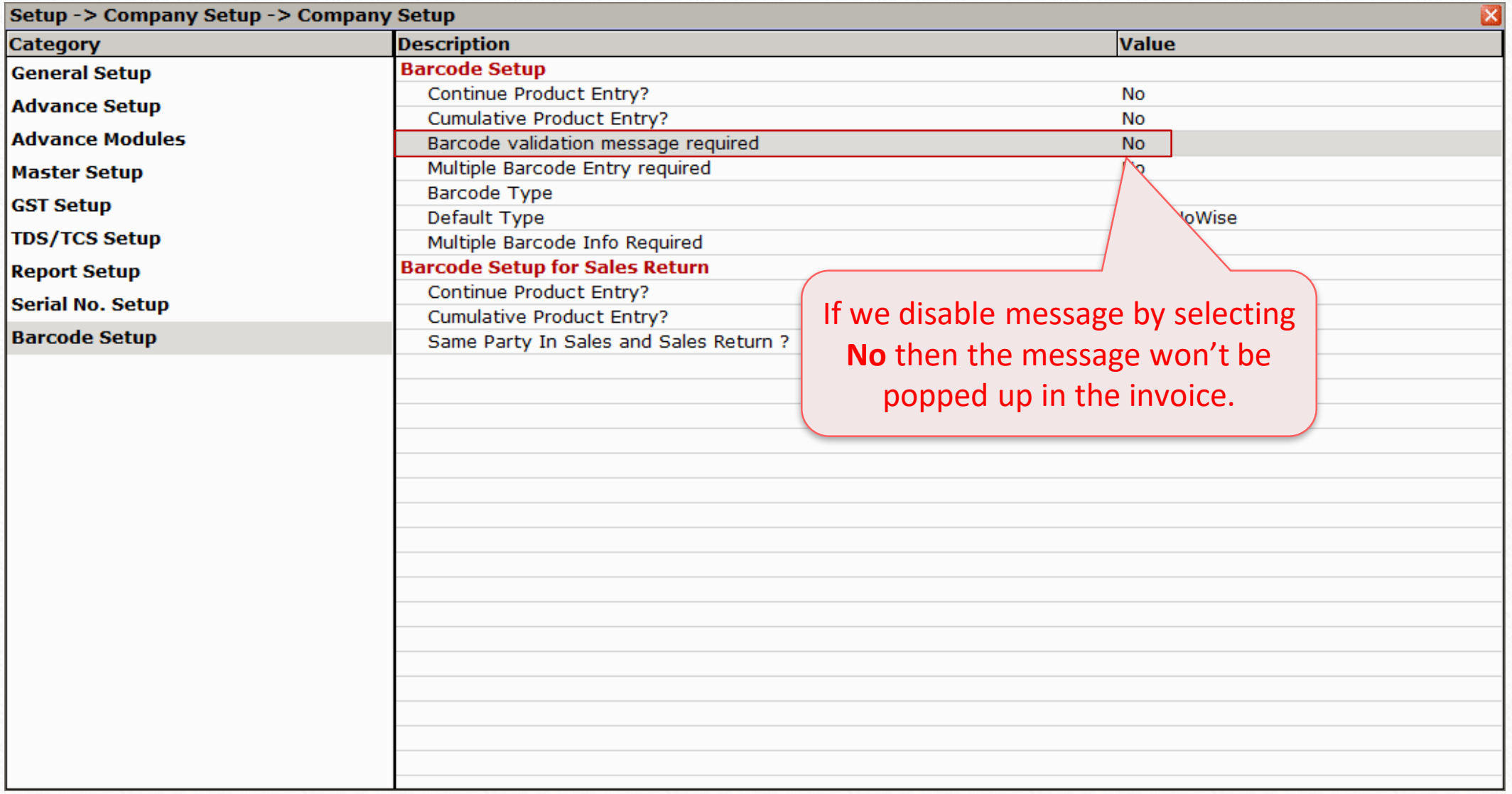
		Item Amount	**940.00 CR**
Discount		(-) 0.000	0.00
Freight			0.00
Central Tax			56.40
State/UT Tax			56.40
Round Off	Kasar A/c		0.20
		Bill Amount	**1,053.00 DB**

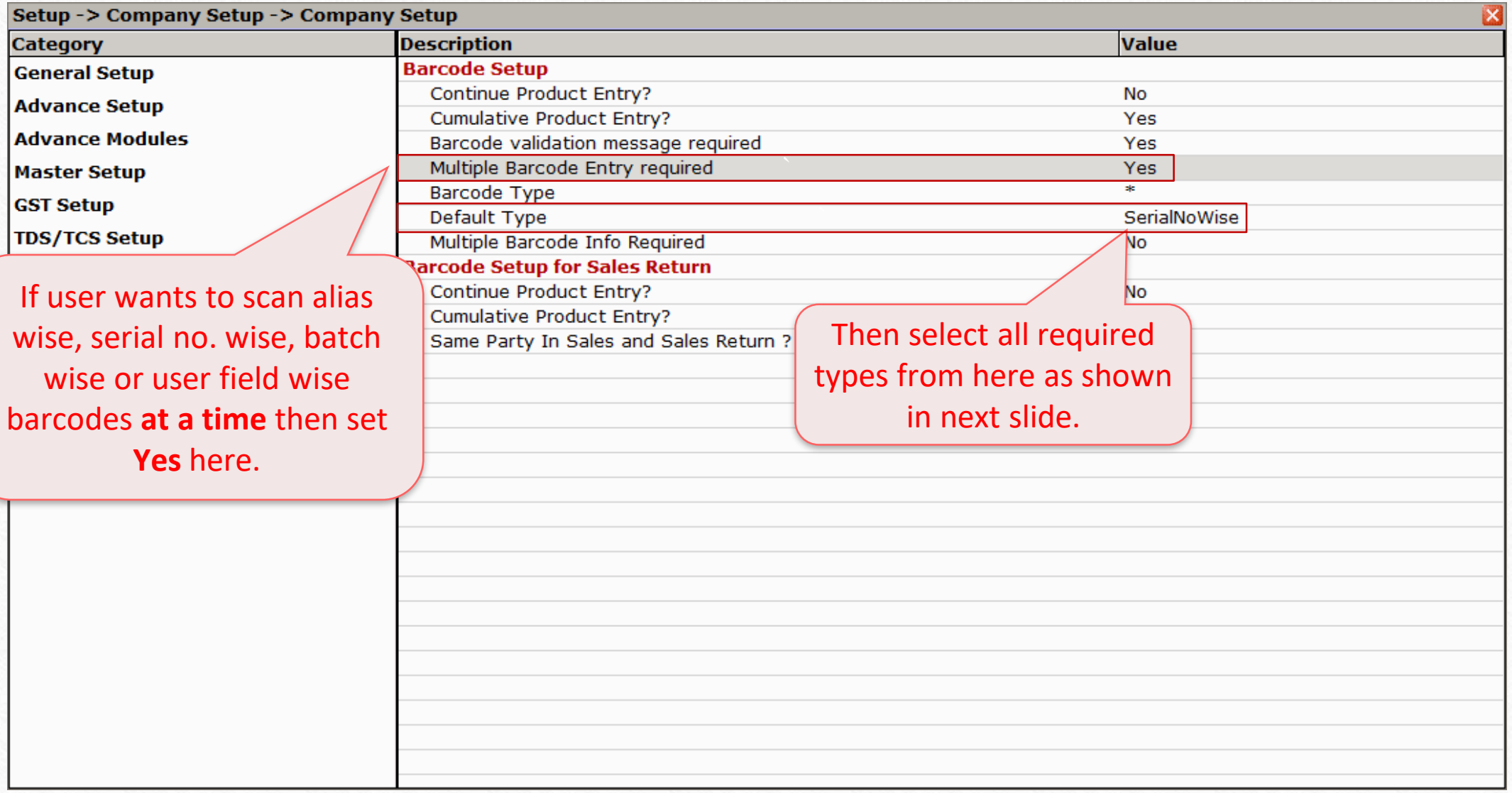
Narration

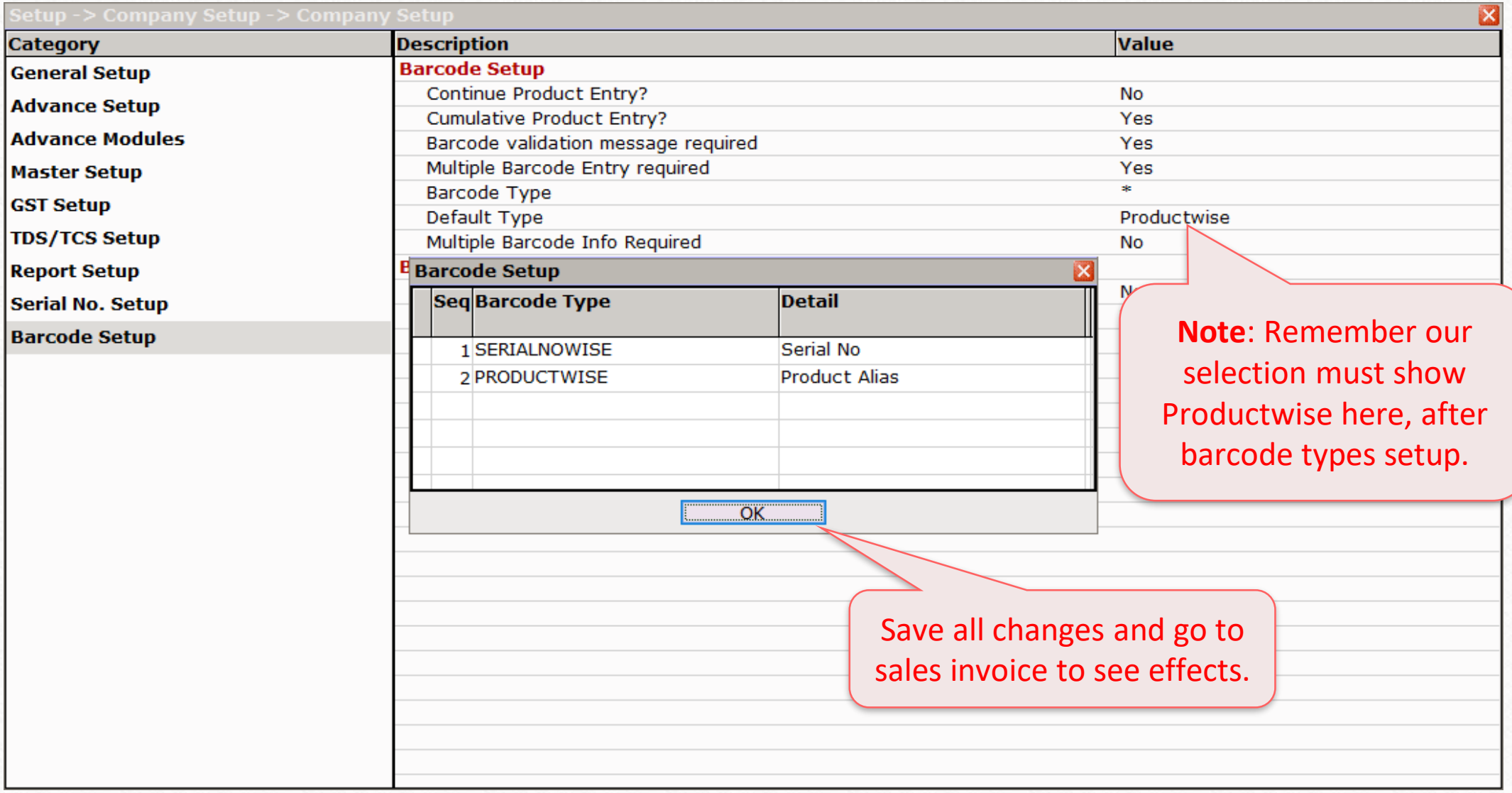
OK Print

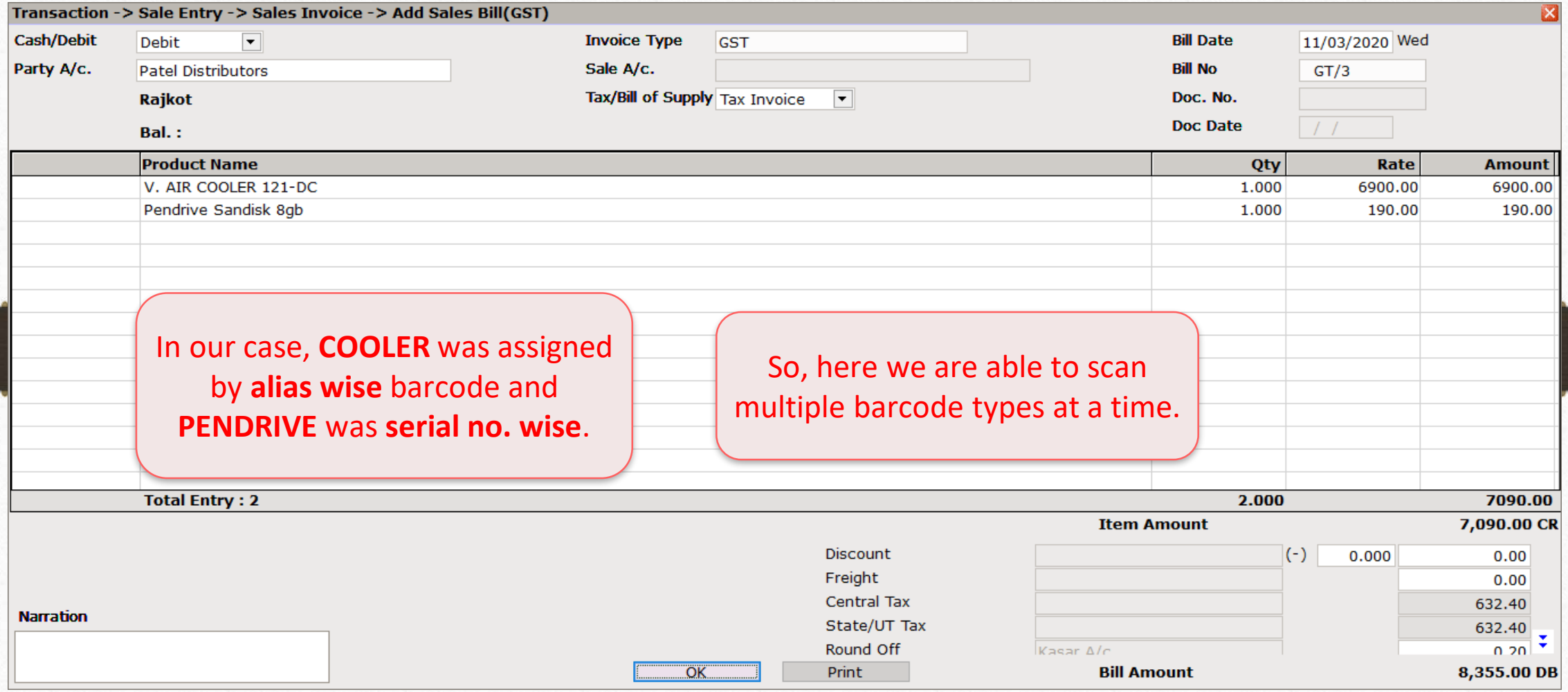

Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? No
Barcode validation message required Yes
Multiple Barcode Entry required
Barcode Type
Default Type erialNoWise
Multiple Barcode Info Required No
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
Enable message by selecting Yes.
This option informs user by validation message if such products contains such a barcode is available or not.


Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)
Cash/Debit
Debit
Party A/c.
UTECH
Bal. : 4,793.00 CR
Invoice Type
GST
Sale A/c.
Tax/Bill of Supply
Tax Invoice
Bill Date
11/03/2020 Wed
Bill No
GT/3
Doc. No.
Doc Date
Product Name
Qty
Rate
Amount
Pendrive Sandisk 16gb
1.000
350.00
350.00
Warning
Not Found
OK
During entry, when user scan irrelevant barcode, Miracle shows the validation message which explains user doesn't have scanned product.
1.000
350.00
Item Amount
350.00 CR
Discount
(-)
0.000
0.00
Freight
0.00
Central Tax
21.00
State/UT Tax
21.00
Round Off
Kasar A/c.
0.00
Narration
OK
Print
Bill Amount
392.00 DB


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Barcode Setup
Continue Product Entry?
No
Cumulative Product Entry?
No
Barcode validation message required
No
Multiple Barcode Entry required
Barcode Type
Default Type
oWise
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry?
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
If we disable message by selecting No then the message won't be popped up in the invoice.


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required Yes
Barcode Type *
Default Type SerialNoWise
Multiple Barcode Info Required No
arcode Setup for Sales Return
Continue Product Entry? No
Cumulative Product Entry?
Same Party In Sales and Sales Return ?
If user wants to scan alias wise, serial no. wise, batch wise or user field wise barcodes **at a time** then set **Yes** here.
Then select all required types from here as shown in next slide.


Setup -> Company Setup -> Company Setup
Category
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Serial No. Setup
Barcode Setup
Description
Value
Barcode Setup
Continue Product Entry? No
Cumulative Product Entry? Yes
Barcode validation message required Yes
Multiple Barcode Entry required Yes
Barcode Type *
Default Type Productwise
Multiple Barcode Info Required No
Barcode Setup
Seq
Barcode Type
Detail
1 SERIALNOWISE Serial No
2 PRODUCTWISE Product Alias
OK
Note: Remember our selection must show Productwise here, after barcode types setup.
Save all changes and go to sales invoice to see effects.



Transaction -> Sale Entry -> Sales Invoice -> Add Sales Bill(GST)

Cash/Debit: Debit
Party A/c.: Patel Distributors
Rajkot
Bal. :
Invoice Type: GST
Sale A/c.:
Tax/Bill of Supply: Tax Invoice
Bill Date: 11/03/2020 Wed
Bill No: GT/3
Doc. No.:
Doc Date: / /

	Product Name	Qty	Rate	Amount
	V. AIR COOLER 121-DC	1.000	6900.00	6900.00
	Pendrive Sandisk 8gb	1.000	190.00	190.00
	Total Entry : 2	2.000		7090.00

In our case, **COOLER** was assigned by **alias wise** barcode and **PENDRIVE** was **serial no. wise**.

So, here we are able to scan multiple barcode types at a time.

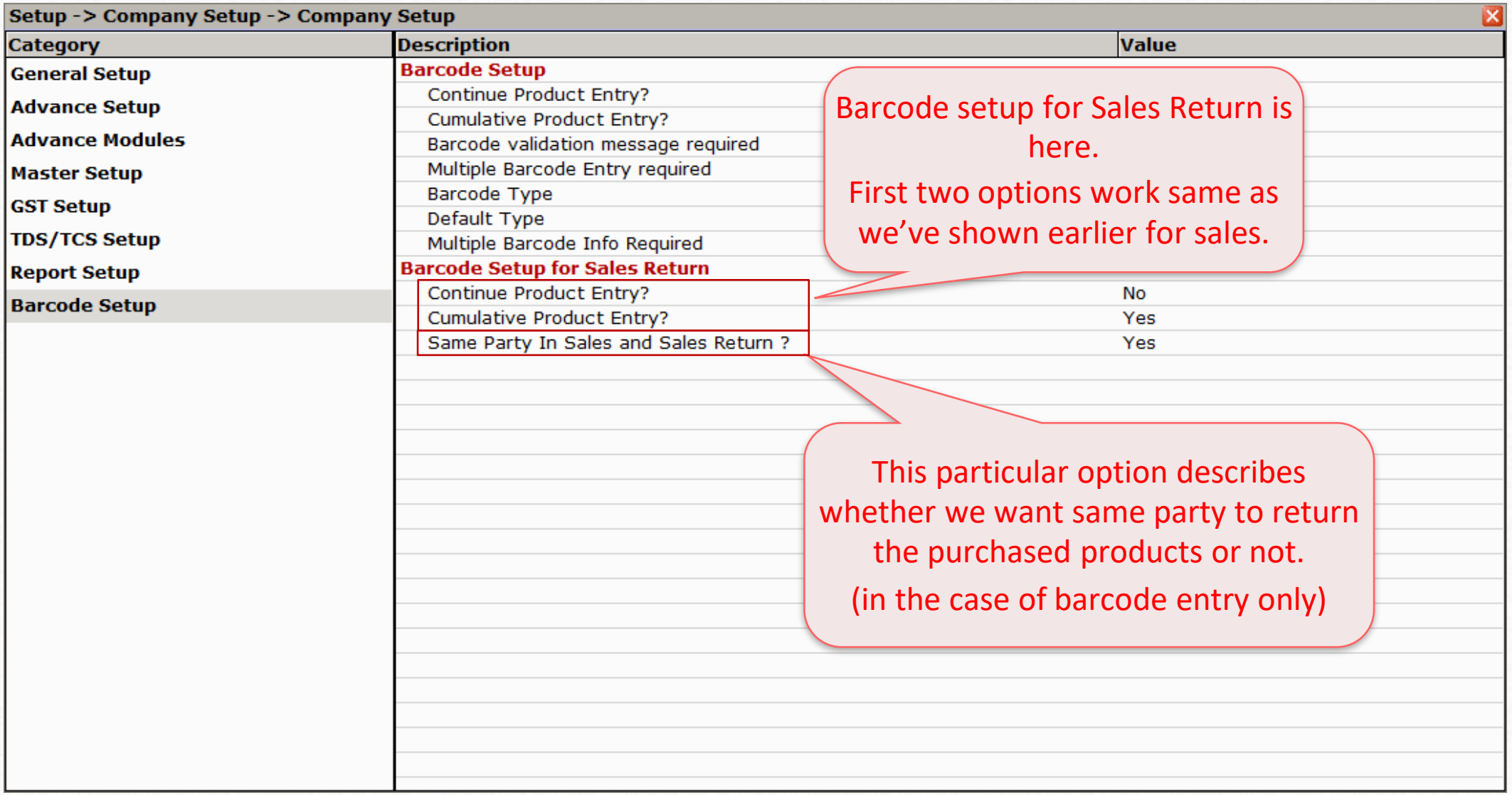
Item Amount 7,090.00 CR

Discount	(-) 0.000	0.00
Freight		0.00
Central Tax		632.40
State/UT Tax		632.40
Round Off	Kasar A/c	0.20

Narration

OK Print

Bill Amount 8,355.00 DB


Setup -> Company Setup -> Company Setup
Category
Description
Value
General Setup
Advance Setup
Advance Modules
Master Setup
GST Setup
TDS/TCS Setup
Report Setup
Barcode Setup
Barcode Setup
Continue Product Entry?
Cumulative Product Entry?
Barcode validation message required
Multiple Barcode Entry required
Barcode Type
Default Type
Multiple Barcode Info Required
Barcode Setup for Sales Return
Continue Product Entry? No
Cumulative Product Entry? Yes
Same Party In Sales and Sales Return ? Yes
Barcode setup for Sales Return is here.
First two options work same as we've shown earlier for sales.
This particular option describes whether we want same party to return the purchased products or not.
(in the case of barcode entry only)

- In a very easier way, Miracle provides such barcode facilities to enhance your productivity.
- For any queries and doubts, don’t forget to contact your dealer.

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