Charts for Data Presentation

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Chart Types

- You can create variety of charts in Excel As per the situation

Chart Elements

| ELEMENT	DESCRIPTION
Chart area	The entire chart and all other chart elements
Plot area	The graphical representation of all of the data series
Data series	Related information in a column or row that is plotted on a chart; many charts can include more than one data series
Data marker	A symbol (such as a bar, line, dot, slice, and so forth) that represents a single data point or value from the corresponding worksheet cell
Data label	Text or numbers that provide additional information about a data marker, such as the value from the worksheet cell (not shown in Figure 8-10)
Axes	Lines that establish a relationship between data in a chart; most charts have a horizontal x-axis and a vertical y-axis
Titles	Descriptive labels that identify the contents of the chart and the axes
Legend	A list that identifies patterns, symbols, or colors used in a chart
Data table	A grid that displays the data plotted in the chart

Column Chart

- To show the comparison of one or more series of data points we can use Column Chart

- In the below example the data comparison between (YEARS) 2010, 2011, 2012
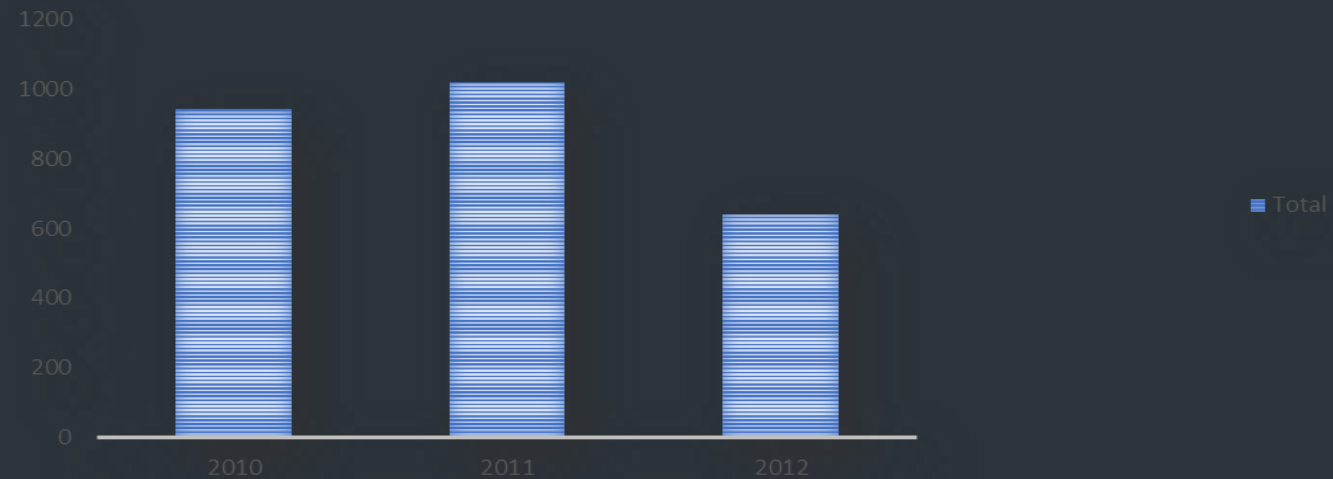
Clustered Column Chart

➡ A clustered column chart can be used if you need to compare multiple categories of data within individual Items as well as between the items.

➡ In this example The comparison between years and between Revenue of XYZ and ABC
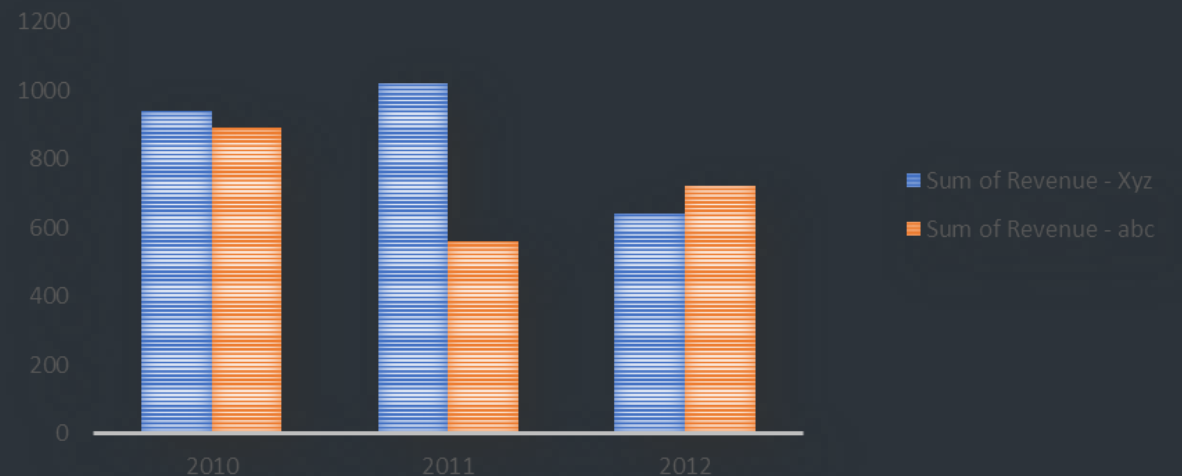
Stacked Column Chart

- In a Stacked Column Chart, the data points for each time period are "stacked" instead of "clustered."

- This chart type lets us see the percentage of the total for each data point in the series.

- In this Example each year was stacked with Revenue of XYZ and ABC showing the % of revenue share along with YoY comparison

- 100% Stacked column are showing the Share of each revenue item within each year out of 100%
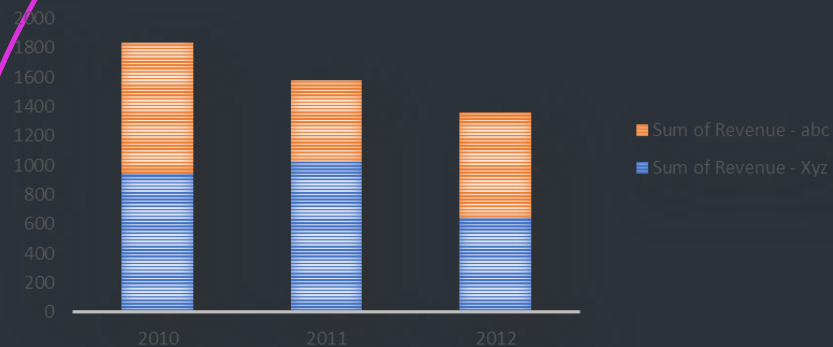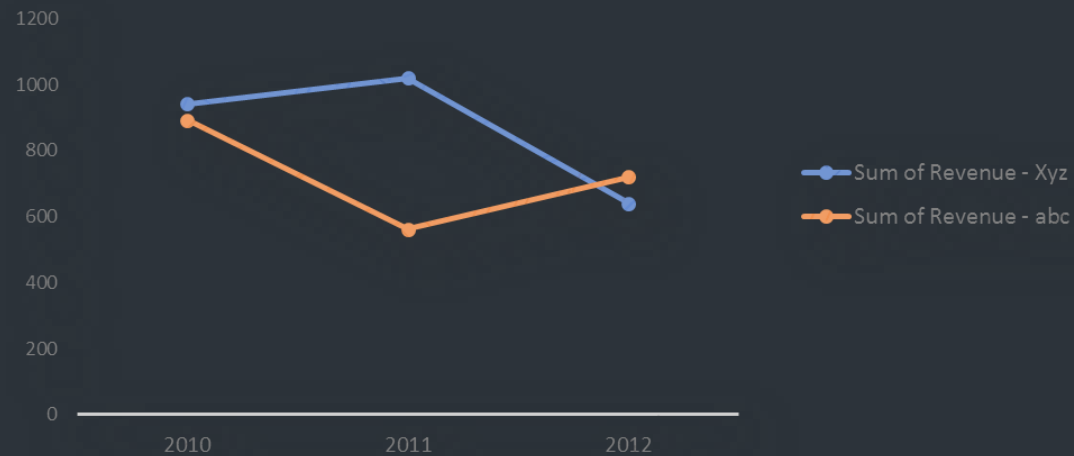

Normal Stacked Column Chart
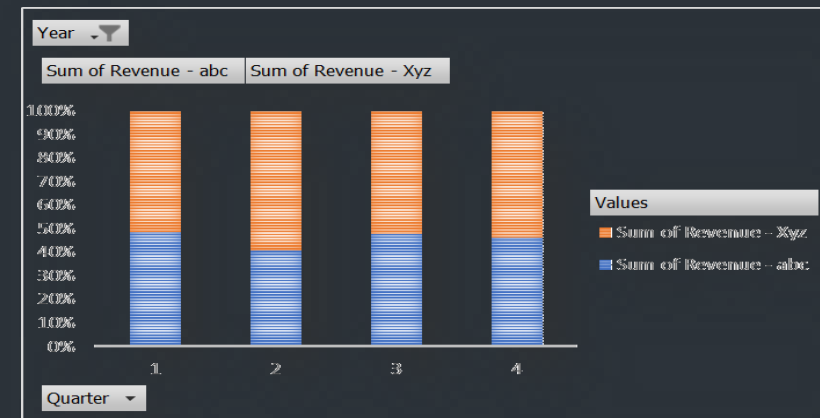

100% Stacked Column Chart

Line Chart

- The line chart is one of the most frequently used chart types, typically used to show trends over a period of time.

- In this example we have shown the revenue trend of of xyz and abc over a period of three years.
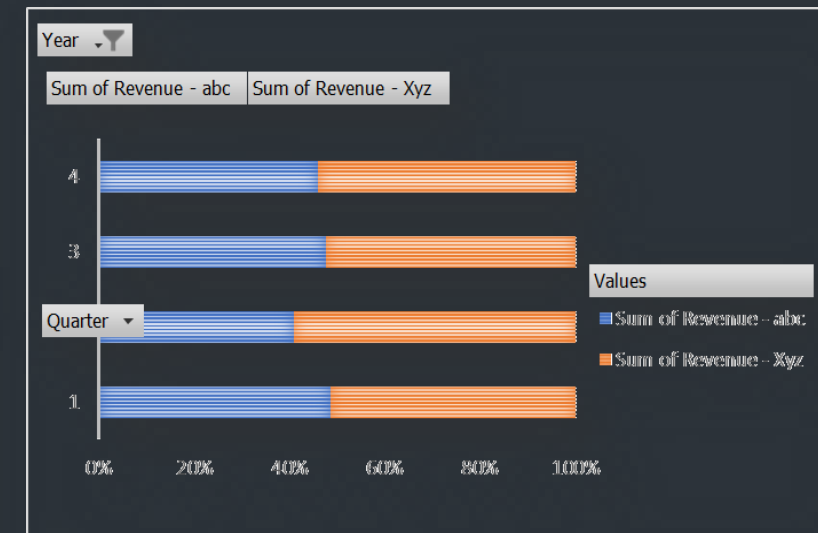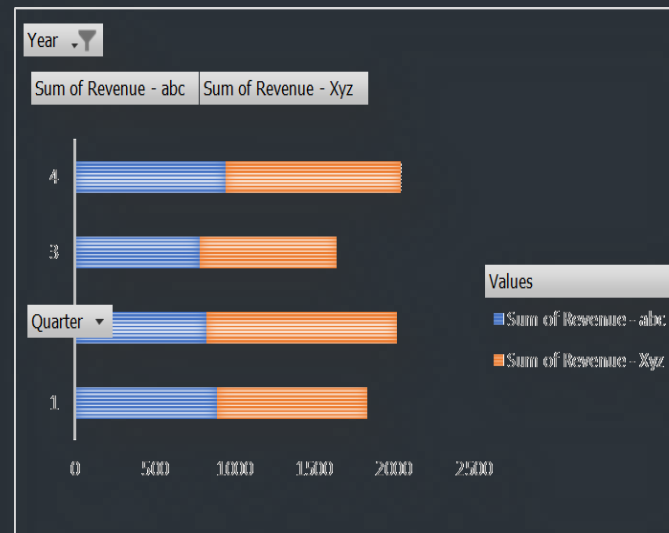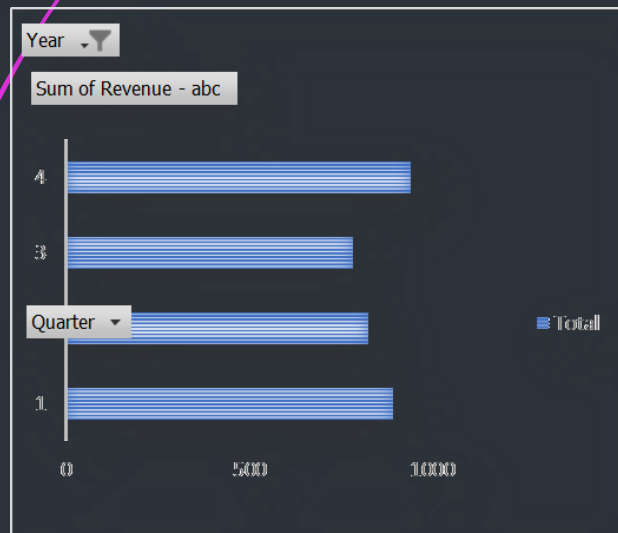
Pie Chart

- Another frequently used chart is the pie chart. A pie chart represents the distribution or proportion of each data item over a total value (represented by the overall pie).

- In this Example we are comparing the quarterly revenue of ABC
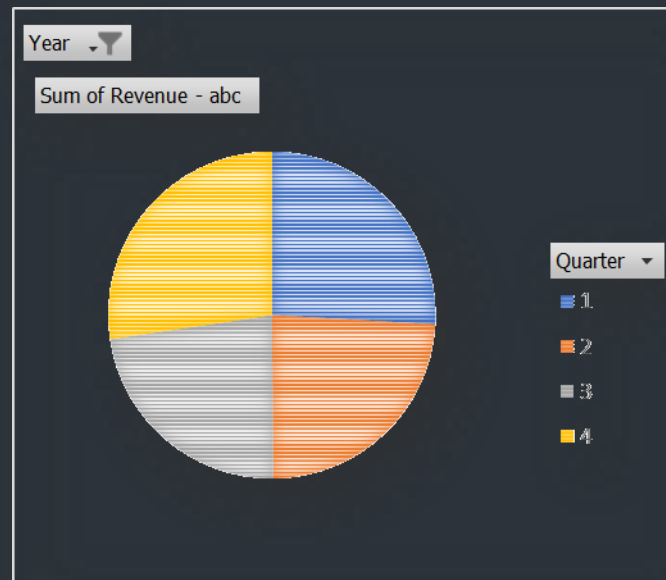
Bar Chart

➤ The Bar Chart is like a Column Chart. The horizontal axis of a Bar Chart contains the numeric values.

➤ Use of Bar Chart versus a Column Chart depends on the type of data and preferences of the user. But advantage of Bar Charts is, they can display and compare a large number of series better than the other chart types.

Area Chart

▶ Area Charts are like Line Charts except that the area below the plot line is solid. And like Line Charts, Area Charts are used primarily to show trends over time or other category.
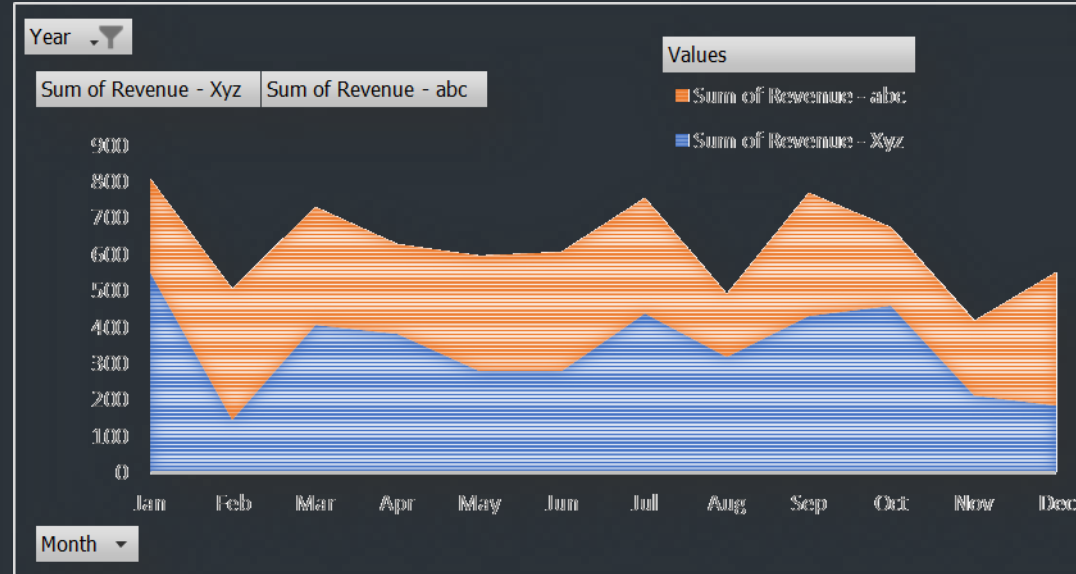
Combination Chart

➡ A combo chart is a combination of two or more chart types into a single chart. Combination charts are best to compare two categories of each individual Series. They are commonly used to create visualizations that show the difference between targets versus actual results.