## Experiment 1

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Title- Study and use of different types of graphs and charts. (use Ms-XLS)

## 1) line chart

In a line chart, category data is distributed evenly along the horizontal axis, and all value data is distributed evenly along the vertical axis. Line charts can show contineous data over time on an evenly scaled axis, so they're ideal for showing teends in data at equal intervals, like months quarters or fiscal years.

## 2) Column chart

A column chart is a data visualization where each cottegory is sepresented by a rectangle, with the height of the rectangle being proportional to the values being plotted column charts are also known as vertical bor charts.

# 3) Pie chart

A pie chart is a pictosial representation of data in the form of a circular chart or pie where the slices of the pie show the size of the data.

A list of numerical variables along with

A list of numerical variables along with categorical variables if needed to represent data

in the form of a pie chart.

A pie chart is a type of a chart that visually displays data in a circular graph. It is one of

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the most commonly used graph to represent data using attributes of circles, opheres and angular data to sepresent the real-world information.

Scatter charts are based on basic line charts with the x axis changed to a linear axis. To use a scatter chart, data must be passed as objects containing X and y properties. scatter plots/charts are used to plot data points on a horizontal and a vertical axis in the attempt to show how much one variable is affected by another. A scatter chart uses dots to represent values for two different numeric variables.

## 5) Rador chart

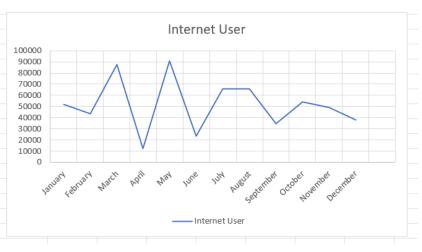
A radar chart is a way of showing multiple data points and the variations between them. They are often useful for comparing the points of two or more different data sets. Radar charts are used to compare two or more items or groups on various features or characteristics.

## Conclusion -

Excel provides uses - faiendly interface for creating and customising various types of charts, including column, line, scatter, pie & rador charts. It's charting capabilities allow you to efficiently visualize & analyse data to gain insights & communicate your findings for others.

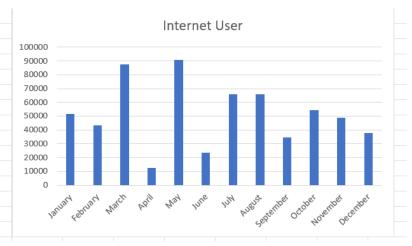
#### 1. Line Chart

Month	Internet User					
January	51678					
February	43256					
March	87652					
April	12345					
May	90876					
June	23456					
July	65876					
August	65984					
September	34569					
October	54327					
November	48932					
December	38012					



#### 2. Column Chart

Month	Internet User
January	51678
February	43256
March	87652
April	12345
May	90876
June	23456
July	65876
August	65984
September	34569
October	54327
November	48932
December	38012



#### 3.Pie Chart

Month	Internet User			1-1			
January	51678			intern	et User		
February	43256						
March	87652						
April	12345						
May	90876						
June	23456						
July	65876			-			
August	65984						
September	34569		•				
October	54327						
November	48932						
December	38012	■ January	■ February	■ March	April	May	■ June
		■ July	<ul><li>August</li></ul>	■ Septembe	er <b>=</b> October	■ Novembe	er <b>■</b> December

#### **4.Scatter Chart**

Month	Internet User					Cl . 7				
January	51678					Chart T	itle			
February	43256	100000								
March	87652	90000		-		•				
April	12345	80000								
May	90876	70000					• •			
June	23456	60000								
July	65876	50000	•	•					•	
August	65984	40000						•	•	
September	34569	30000 20000				•				
October	54327	10000			•					
November	48932	0								
December	38012		)	2	4	6	8	10	12	14
					• M	onth • In	ternet User			

### 5. Radar Chart

Month	Internet User	Internet User
January	51678	January
February	43256	100000 February
March	87652	80000
April	12345	60000 March
May	90876	40000
June	23456	December 20000 April
July	65876	
August	65984	
September	34569	November
October	54327	
November	48932	October June
December	38012	September July
		August