

CS6102 - COMPUTATIONAL THINKING LAB

(Week 3 – 24.11.2022)

Exploring Formulas and Graph Visualization in MS - Excel

I. Calculation of Salary Details.

To calculate HRA, DA, TA, PF, LIC, Gross salary from the given data in the worksheet and also sort all name in alphabetical order using MS-excel.

HRA = 18% of basic pay

TA = 12% of basic pay

DA = 15% of basic pay

PF = 10% of basic pay

LIC = 7% of basic pay

Gross Salary = basic pay + HRA + DA + TA

Deduction = PF + LIC

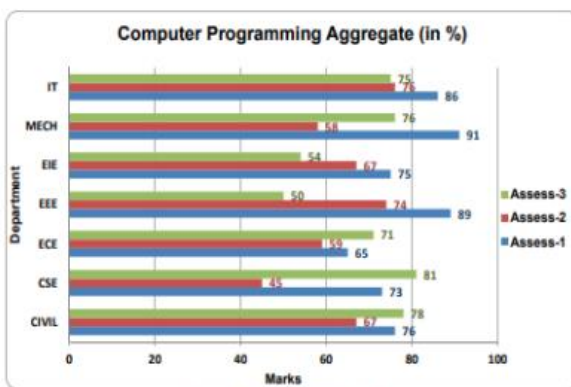
Net Salary = Gross Salary – Deduction

A	B	C
S.No	Name	Basic Pay
1	Raj	20,000
2	Arun	15,000
3	Prem	12,000
4	Kumar	10,000
5	Siva	13,000
6	Prabhu	11,000
7	Anu	18,000
8	Bala	19,000
9	Jagan	14,000
10	Raji	17,000

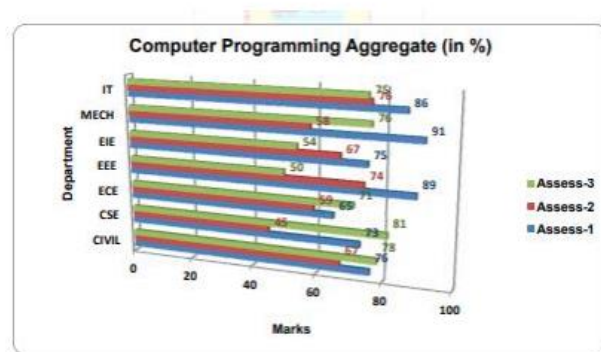
II. Graphs and Charts in 2D, 3D.

1. Create a bar chart for the following:

Computer Practice Aggregate (in %)			
Department	Assess-1	Assess-2	Assess-3
EEE	56	67	78
ECE	73	45	81
CIVIL	65	59	71
CSE	89	74	50
MECH	75	67	54



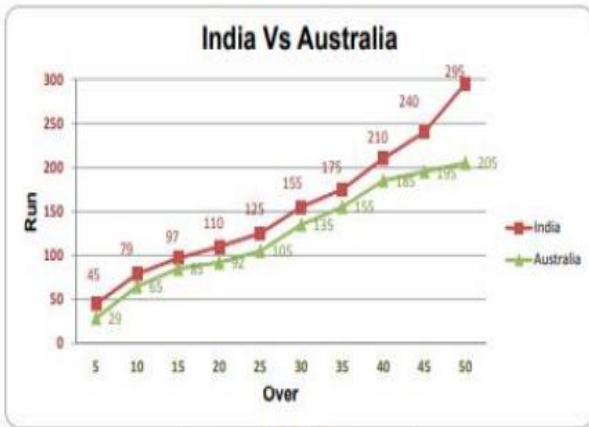
2D Bar Chart



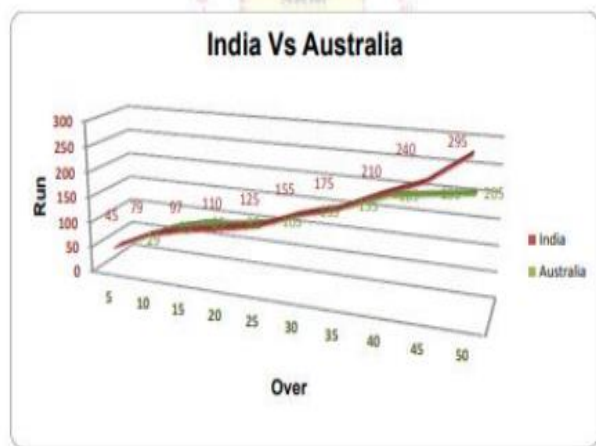
3D Bar Chart

2. Create line chart for the following :

Ind vs Aus		
Overs	India	Australia
5	45	29
10	79	62
15	97	80
20	110	100
25	125	115
30	155	140
35	175	165
40	210	200
45	240	230
50	295	275



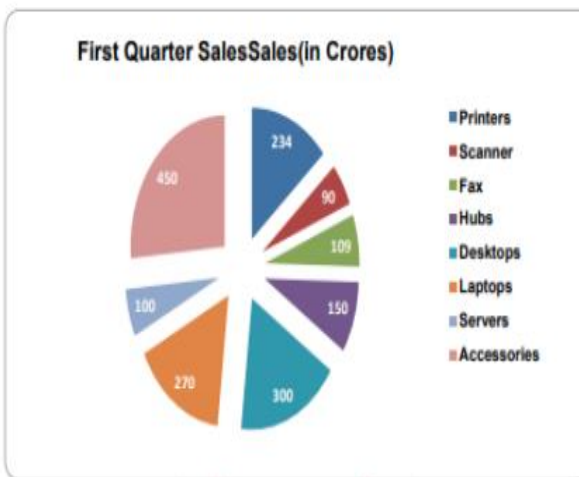
2D Line Chart



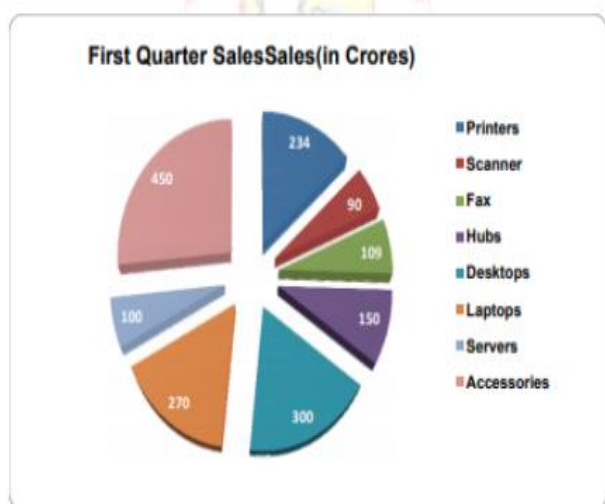
3D Line Chart

c. Create Pie chart for the following :

First Quarter Sales	
Product	Sales(in Crores)
Printers	234
Scanner	90
Fax	109
Hubs	150
Desktops	300
Laptops	270
Servers	100
Accessories	450



2D Pie Chart



3D Pie Chart