CS6102 - COMPUTATIONAL THINKING LAB

(Week 3 – 30.11.2022)

Using Logical Operators 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.   Use Logical Operators for answering the following questions:
a) Classify the employees into three groups as per your choice
b) List those employees whose names have a length >4 and Salary <15000 (Hint: use the length function as here to calculate the length of word / character count of a particular cell   =**LEN(*cell*)**)
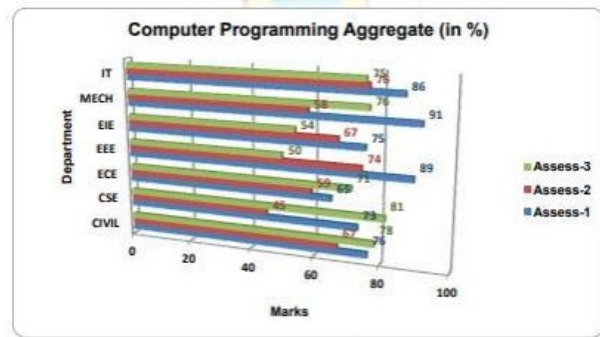
III.   <u>Graphs and Charts in 2D, 3D.</u>

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
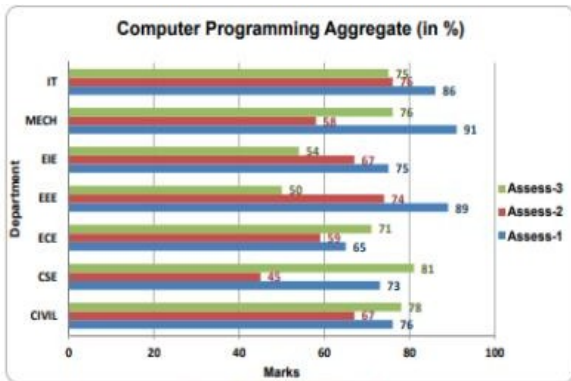
2D Bar Chart

3D Bar Chart

1. 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
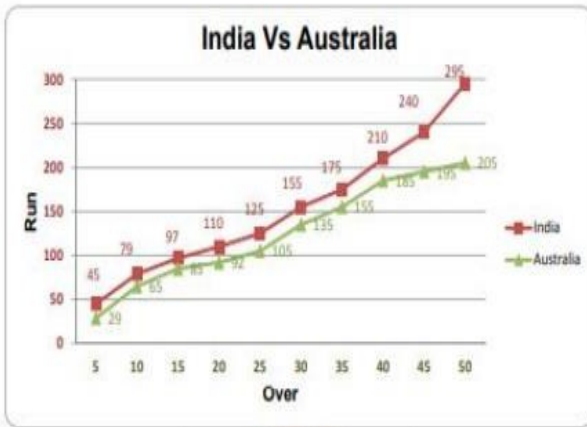
2D Line Chart
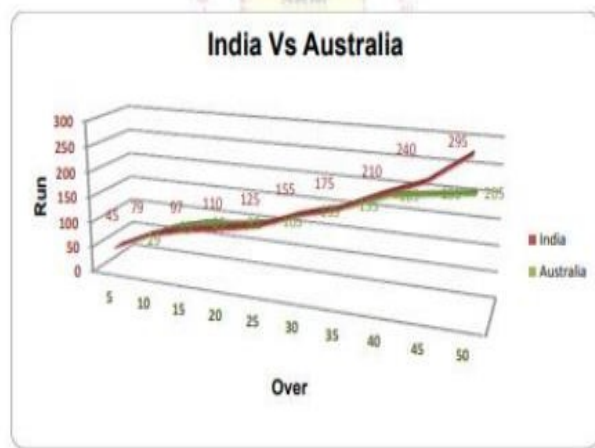
3D Line Chart

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