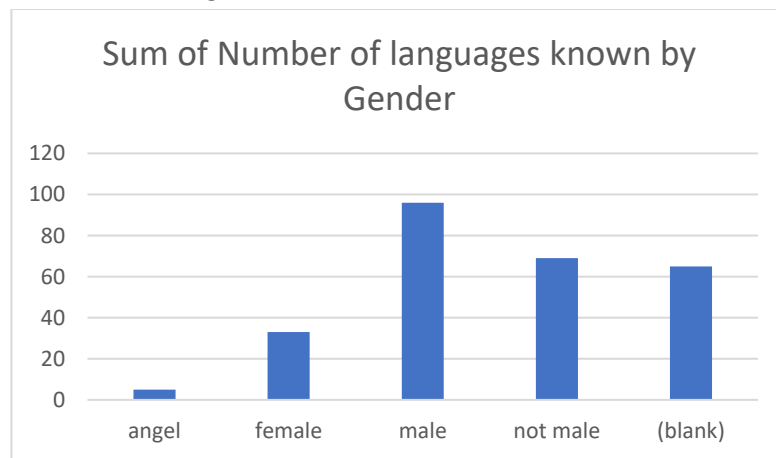# PROGRAMMING FOR DATA ANALYTICS
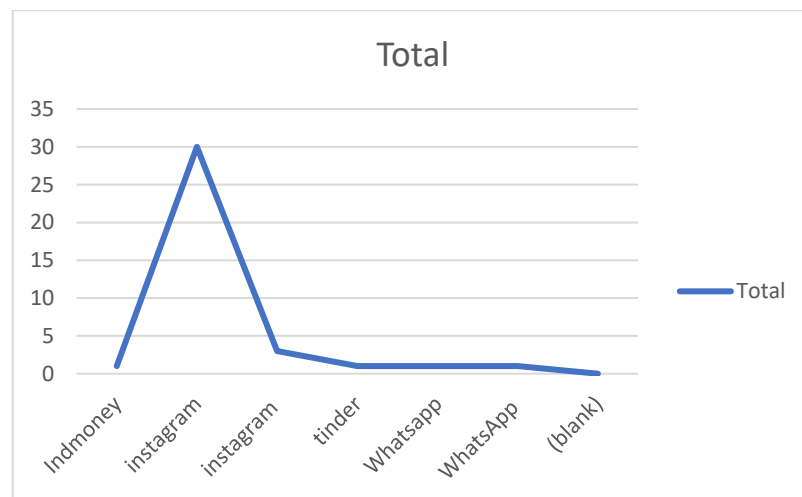
ASSIGNMENT

Create a bar chart interpreting the data and mention the steps one by one

1. Select the dataset to include in the bar chart.
2. Go to **Insert → Bar or Column Chart**.
3. Choose a chart type (Clustered Bar, Stacked Bar, etc.).
4. The bar chart appears on the sheet.
5. Add chart elements (titles, data labels, axes).
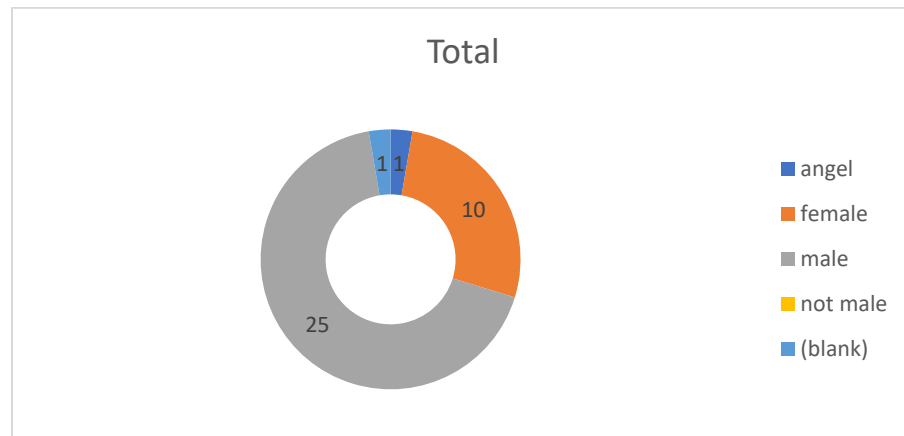6. Change colors or bar width using **Format**.

Sum of Number of languages known by Gender

Create a line graph interpreting the data and mention the steps one by one

Total

1. Open the Excel file containing your data.
2. Select the data range you want to plot (including headers).
3. Go to the **Insert** tab on the Ribbon.
4. In the Charts group, click **Line Chart** → choose a style (e.g., Line with Markers).
5. A line graph appears on the sheet.

Create a pie chart and interpret the result and mention stepwise procedure.

1. Select the column containing categories and the corresponding values.
2. Go to **Insert → Pie Chart**.
3. Choose a chart type (2-D Pie, 3-D Pie, Doughnut).
4. Add chart elements using the "+" symbol:

   a) **Data Labels** (Percentage, Category Name).
   b) **Legends**

Mention three Excel formulas and method of applying it, paste the formula along with both input and output

SUM OF TOTAL SALARY EARNED PER MONTH	1530388552
AVERAGE NUMBER OF LANGUAGES KNOWN	5
MAXIMUM AMOUNT OF SALARY EARNED PER MONTH	1000000000

Apply statistics to any of the columns and interpret the findings.

MEDIAN OF NUMBER OF LANGUAGES KNOWN	4
AVERAGE OF SALARY EARNED PER MONTH	49367372.65
STANDARD DEVIATION OF CAFFEINE INTAKE	1.999755844

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4BTRAM