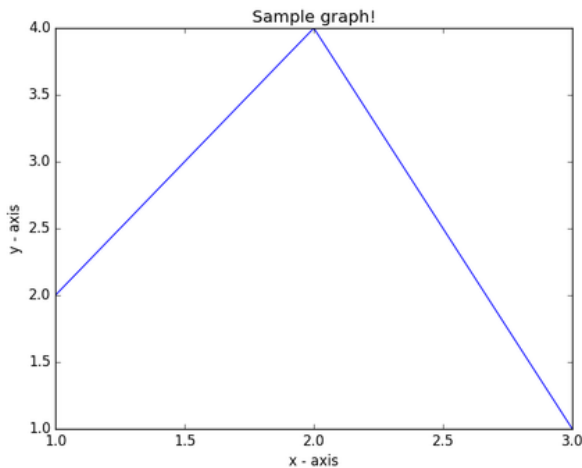# EDA Internship Task Week 3

**Note: You can create datafram or dataset at your own or reading the output graph**

Q.1: Write a Python program to draw a line using given axis values with suitable label in the x axis , y axis and a title.



Q.2: Write a Python program to plot two or more lines with legends, different widths and colors.
The code snippet gives the output shown in the following screenshot:
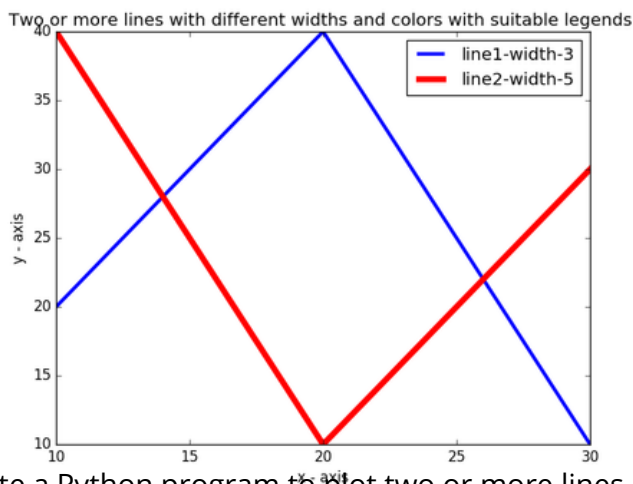


Q.3: Write a Python program to plot two or more lines and set the line markers. The code snippet gives the output shown in the following screenshot:
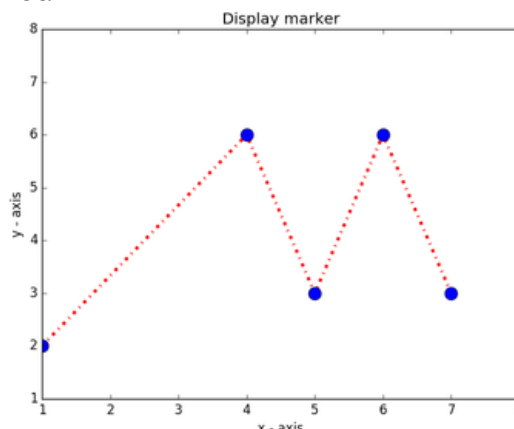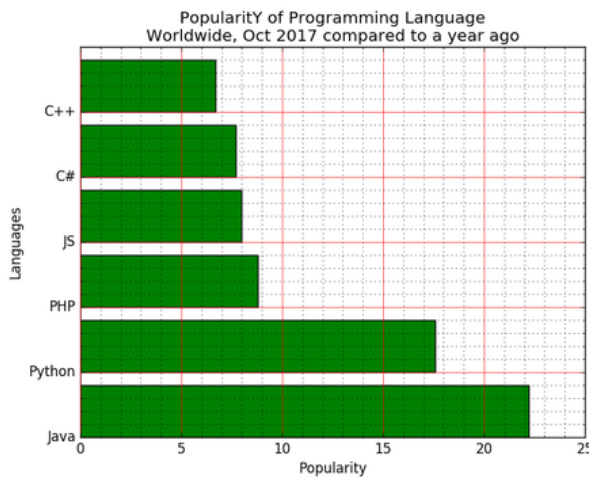
Q.4: Write a Python program to display a horizontal bar chart of the popularity of programming Languages. Here is sample data:

**Programming languages:** Java, Python, PHP, JavaScript, C#, C++

**Popularity:** 22.2, 17.6, 8.8, 8, 7.7, 6.7

The code snippet gives the output shown in the following screenshot:



Q.5: Write a Python program to create bar plot from a DataFrame. Sample Data Frame:
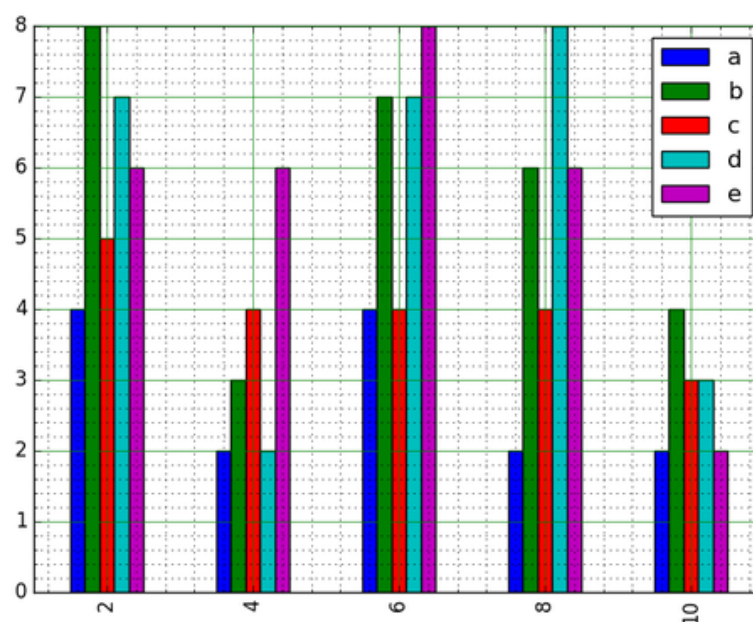
a b c d e
2 4,8,5,7,6
4 2,3,4,2,6
6 4,7,4,7,8
8 2,6,4,8,6
10 2,4,3,3,2

The code snippet gives the output shown in the following screenshot:

Q.6: Write a Python program to create a pie chart of gold medal achievements of five most successful countries in 2016 Summer Olympics. Read the data from a csv file.
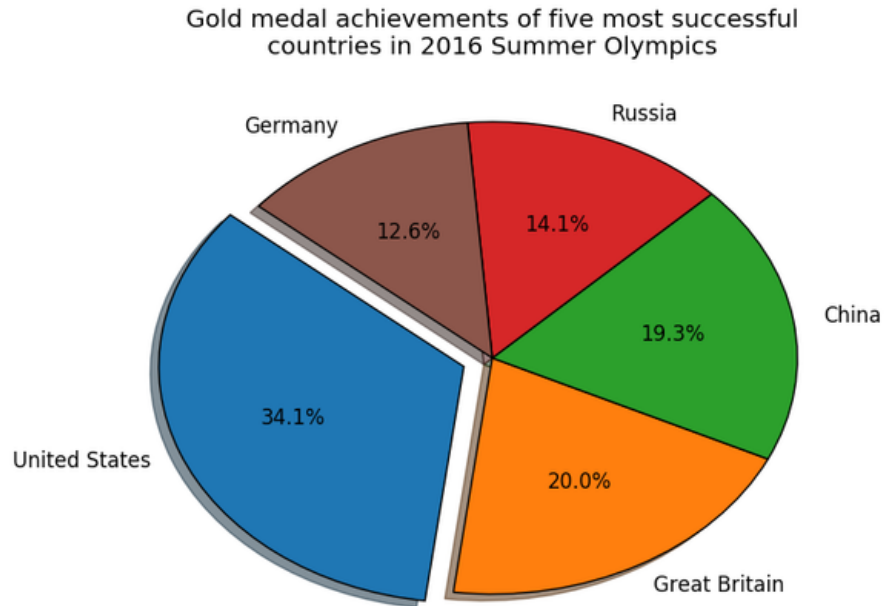
Sample data:
country,gold_medal
United States,46
Great Britain,27
China,26
Russia,19
Germany,17



Gold medal achievements of five most successful countries in 2016 Summer Olympics

Q.7: Write a Python program to draw a scatter plot comparing two subject marks of Mathematics and Science. Use marks of 10 students.

Sample data:
math_marks = [88, 92, 80, 89, 100, 80, 60, 100, 80, 34]
science_marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]
marks_range = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]