**Lab 1**

[Bar chart] Write a Python programming to display a bar chart of the trend of programming languages.

Test Data:

Programming language: Java, Python, PHP, JavaScript, C#, C++

Popularity: 19.2, 22.6, 8.8, 7.6, 7.2, 6.7

1. [Scatter plot] Write a Python program to draw a scatter plot comparing two subject marks of Mathematics and Science. Use marks of 10 students.

Test 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]

1. Writing a python program to produce a list of days and workout times.

Test Data:

Days: [1, 3, 6, 9, 10, 11, 12, 13, 14]

Times: [25, 55, 20, 42, 10, 60, 60, 60, 60]