29.Write a Python programming to display a bar chart of the popularity of

programming Languages. Use different color for each bar.

Sample data:

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

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

Program:

import matplotlib.pyplot as plt

x = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']

popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]

x\_pos = [i for i, \_ in enumerate(x)]

plt.bar(x\_pos, popularity, color=['red', 'black', 'green', 'blue', 'yellow', 'cyan'])

plt.xlabel("Languages")

plt.ylabel("Popularity")

plt.title("PopularitY of Programming Language\n" + "Worldwide, Oct 2017 compared to ayear ago")

plt.xticks(x\_pos, x)

plt.minorticks\_on()

plt.grid(which='major', linestyle='-', linewidth='0.5', color='red')

plt.grid(which='minor', linestyle=':', linewidth='0.5', color='black')

plt.show()

Output:

