Aim: To write a python programming to display a bar chart of the popularity of programming

pseudocode:

   ✱ import libraries matplotlib.pyplot

   ✱ create lists of for programming languages and their respective popularity values
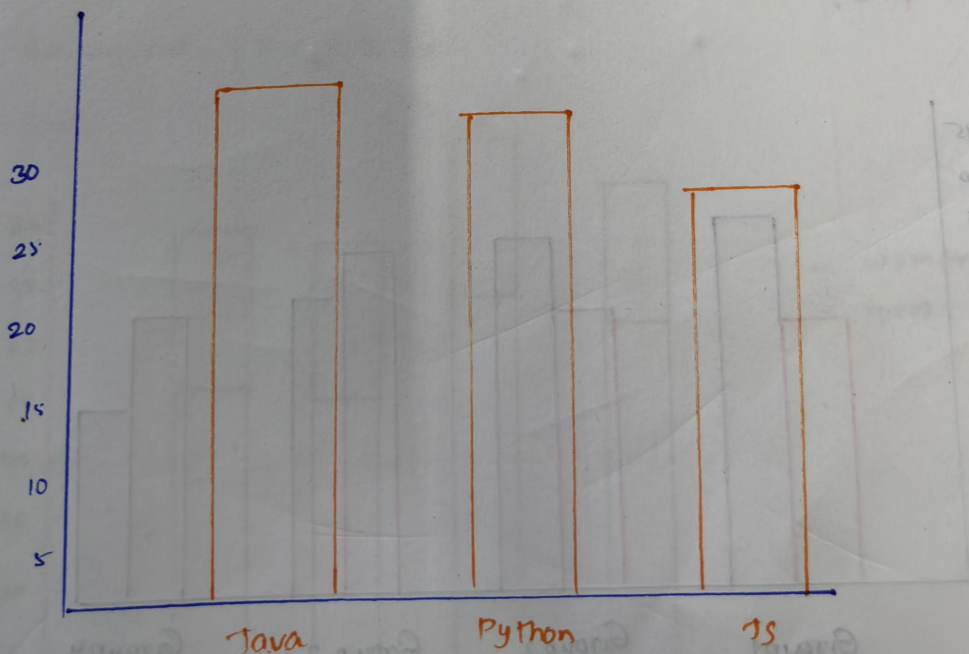
   ✱ create w.pll.bar() to create() a vertical bar

   ✱ Display the bar chart

sample input:

   program : [Java, python, PHP, JS, CH, C++]

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

sample output:

Resut:

This code has been executed successfully and sot the output

```python
import matplotlib.pyplot as plt
import numpy as np

languages = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']
popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]

# Generate a list of colors for each bar
colors = np.random.rand(len(languages), 3)  # Random colors

plt.bar(languages, popularity, color=colors)
plt.xlabel('Programming Languages')
plt.ylabel('Popularity (%)')
plt.title('Popularity of Programming Languages')
plt.show()
```