Aim: 10 write a python programming to display a bar chart of the popularity of prosoamming same chart of men and pseudocode:

I import libraries matplotlib pyplot smoodel and tragmine

i create lists of for prossamming languages and. I Define data to the means meis respective popularity values

I soften been width and positions too the + create w.pll-bar() to createch a vertical box I plot the loss for men and women a

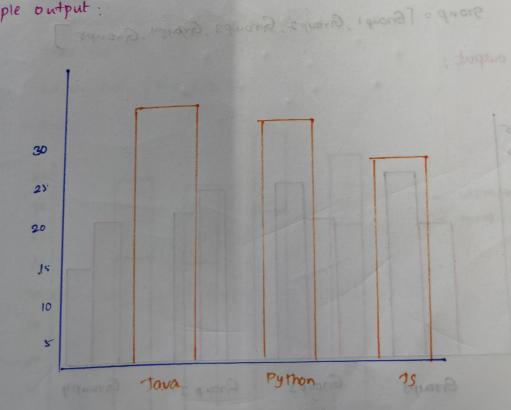
& Display the bar chart

semple input:

program: [Java, python, pitp, Js, CH, C++]

popularity: [22.2, 17.6, 8.8, 8, 7.7, 6.7] Womens - Top. 9

sample output:



Resut:

This code has been executed enecestally and sot succeptuly exerted and sot the

```
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()
```

