

Aim: To write a python program to create bar plot of scores key group and gender use multiple value on the same chart of men and women

pseudo code:

- 1. import the libraries
- 2. Define data for the means of scores for men and women
- 3. Define bar width and positions for the group on the x-axis
- 4. plot the bars for men and women at the respective positions
- 5. Display the plot

sample input:

men = [22, 30, 35, 35, 26]

women = [25, 32, 30, 35, 29]

group = [Group1, Group2, Group3, Group4, Group5]

sample output:



Result:

This code was successfully executed and got the output



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

groups = ['Group 1', 'Group 2', 'Group 3', 'Group 4', 'Group 5']
men_means, women_means = [22, 30, 35, 35, 26], [25, 32, 30, 35, 29]
x = np.arange(len(groups))

plt.bar(x - 0.175, men_means, 0.35, label='Men', color='blue')
plt.bar(x + 0.175, women_means, 0.35, label='Women', color='pink')
plt.xlabel('Groups'), plt.ylabel('Scores'), plt.title('Scores by Group and Gender')
plt.xticks(x, groups), plt.legend(), plt.show()
```

