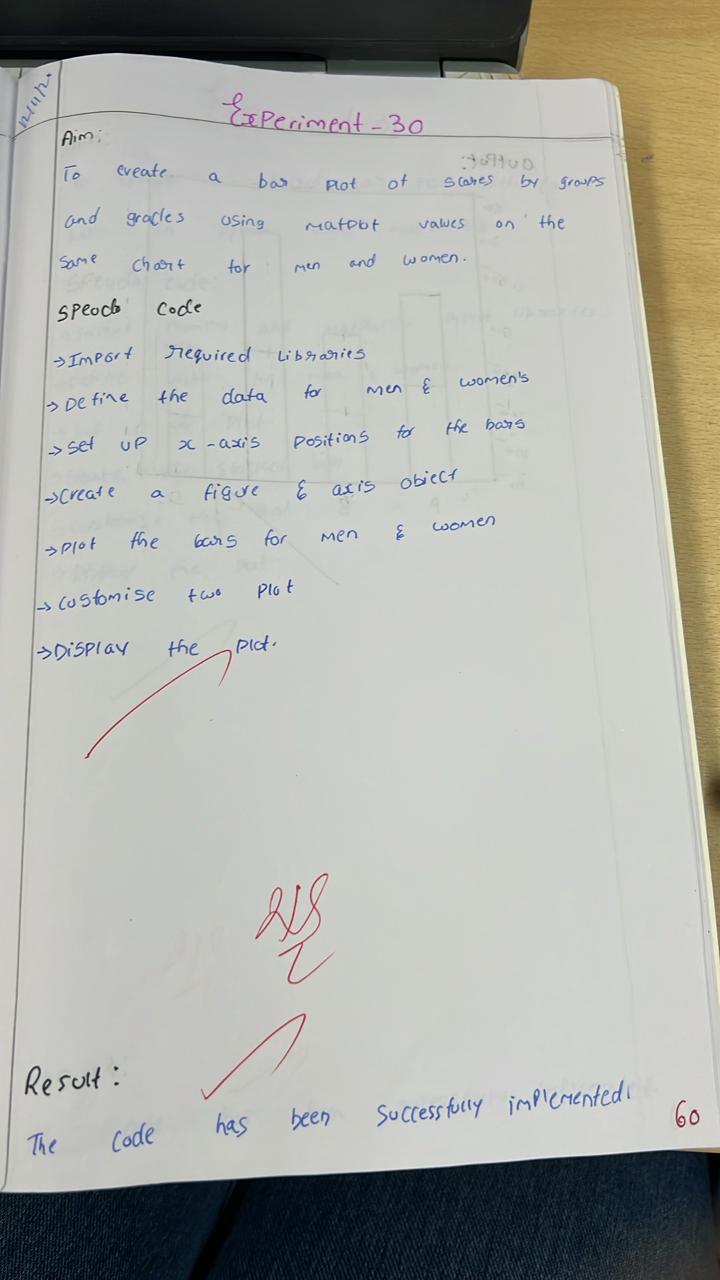
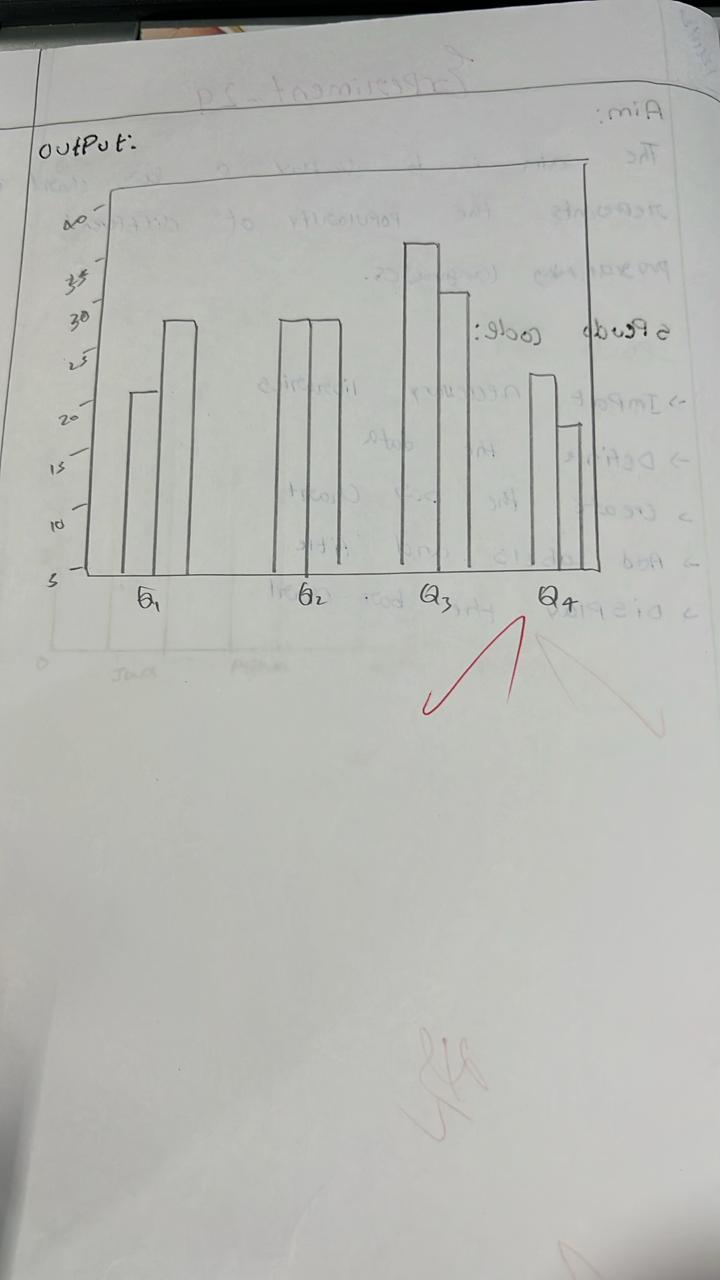
**EXPERIMENT-30  
LabBook:**

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**  
Sample code:**

import matplotlib.pyplot as plt

import numpy as np

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

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

labels = ['A', 'B', 'C', 'D', 'E']

x = np.arange(len(labels))

width = 0.35

fig, ax = plt.subplots()

ax.bar(x - width/2, men, width, label='Men')

ax.bar(x + width/2, women, width, label='Women')

ax.set\_xlabel('Category')

ax.set\_ylabel('Scores')

ax.set\_title('Scores by category and gender')

ax.set\_xticks(x)

ax.set\_xticklabels(labels)

ax.legend()

plt.show()

**Sample output:**

