

Classroom Assignment <1>: Visualizing Test Results with Matplotlib

Learning Objective:

Learn how to create a **bar chart** using Matplotlib to visualize test execution results.

Expected Completion Time:

Best Case: 20 minutes

Average Case: 25 minutes

Assignment Details:

Create a Python script named **matplotlib_test_results.py** that:

1. Stores the number of test cases executed in a release:
 - Passed = 45
 - Failed = 10
 - Skipped = 5
2. Use Matplotlib to plot a **bar chart** showing these results.
3. Add chart title: "Test Execution Results"
4. Add axis labels:
 - X-axis → "Test Status"
 - Y-axis → "Number of Test Cases"
5. Display the chart..

Hints to Solve:

- Use `import matplotlib.pyplot as plt.`
- Use `plt.bar(x, y)` for bar chart.
- Use `plt.title()`, `plt.xlabel()`, `plt.ylabel()`.

Expected Outcome:

- A **bar chart** clearly showing Passed, Failed, and Skipped test counts.