<div align="center">

Practice Exercise

Programming for Data Science

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07.08.2025

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Students are informed to try Matplotlib Graphs for the dataset recorded from any realtime event:

Sample scenario for temperature and rainfall recorded for the last 5 days:

1. **Line Chart – Temperature Trend**

- Plot a line chart showing temperature variation across the five days.

- Add markers and grid lines for better readability.

- Label axes and give the chart a meaningful title.

2. **Scatter Plot – Specific Day Comparison**

- Choose any two days (e.g., Wednesday and Friday).

- Plot their temperature values using a scatter plot.

- Highlight the points with distinct colors and sizes.

3. **Bar Chart – Daily Temperatures**

- Create a bar chart to represent temperature values for each day.

- Use color to differentiate the bars.

- Add axis labels and a title.

4. **Average Temperature Calculation**

- Compute the average temperature over the five days.

- Display the result in the console.

- Optionally, annotate the average on the line chart.

5. Pie Chart – each day contrition for 5 days

- Find each day rainfall contribution towards total rainfall recorded in 5 days