Matplotlib Commands Overview

A comprehensive guide to Matplotlib functions with examples and charts
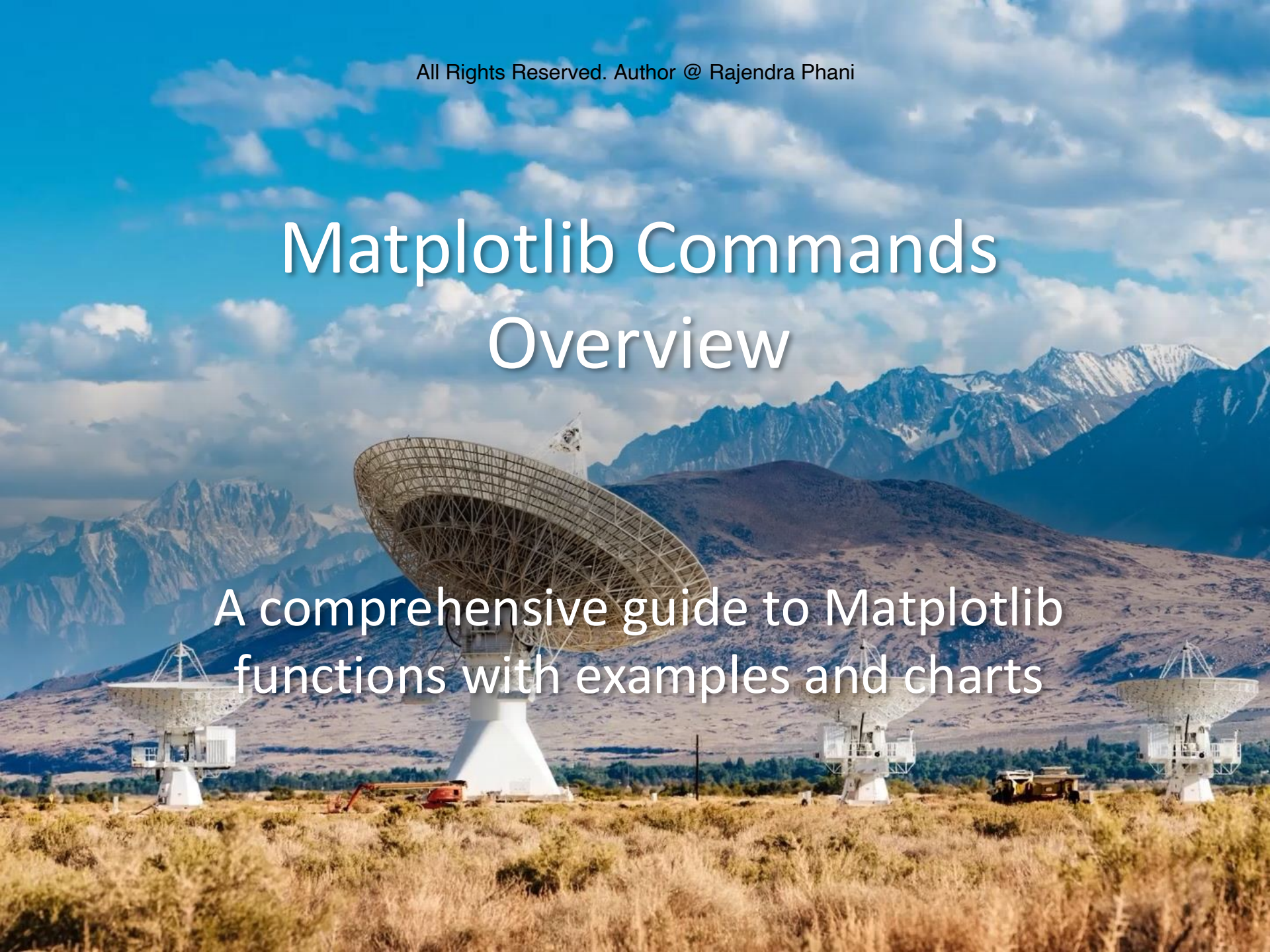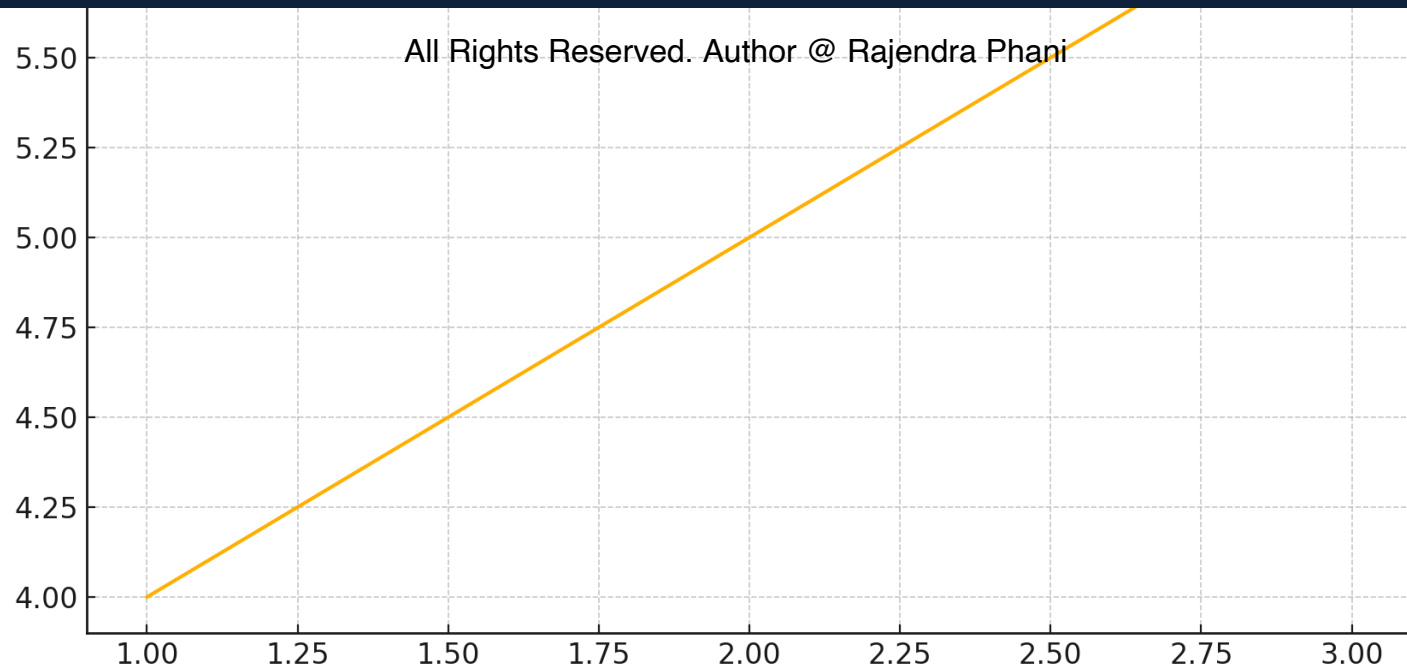
plt.plot()

- Description:
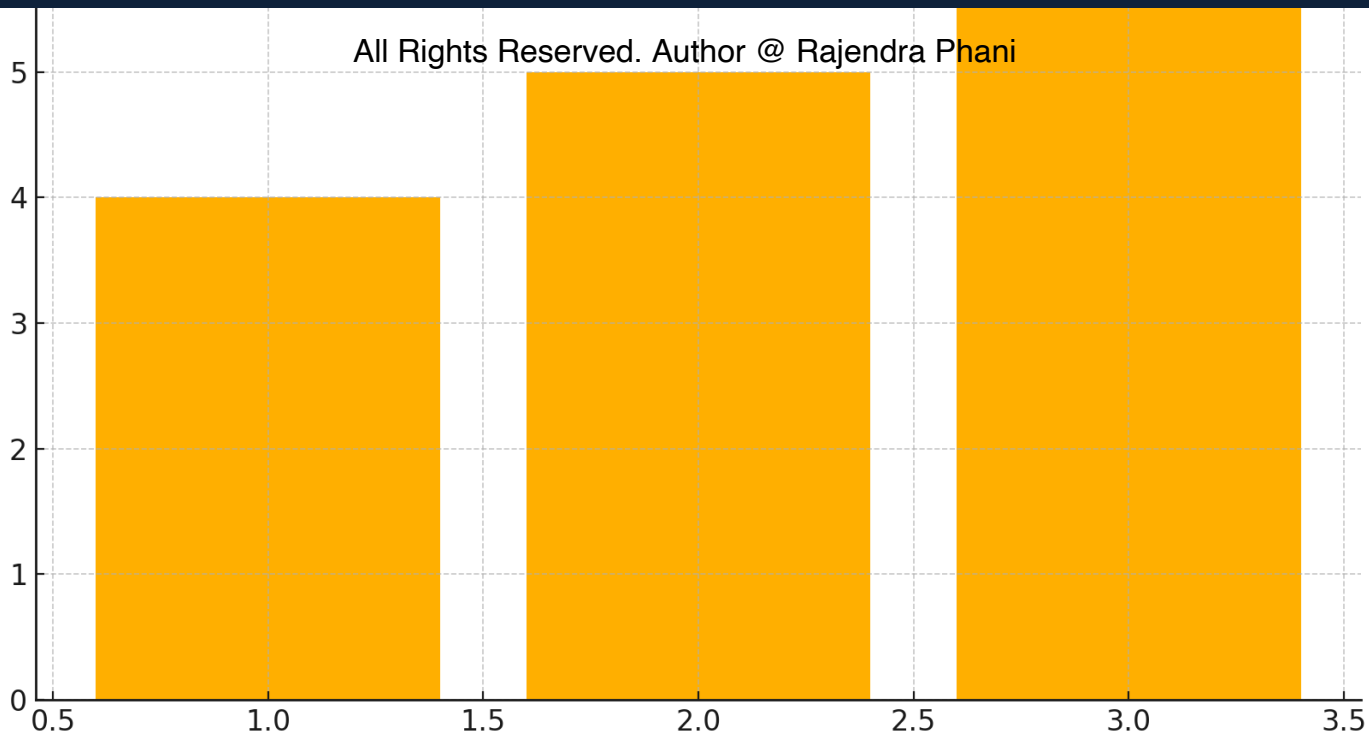- Plots y versus x as lines and/or markers.

- Example:
- plt.plot(x, y)

plt.scatter()

- Description:
- Creates a scatter plot with x and y data points.

- Example:
- plt.scatter(x, y)

plt.bar()

- Description:
- Creates a bar plot with x and height.

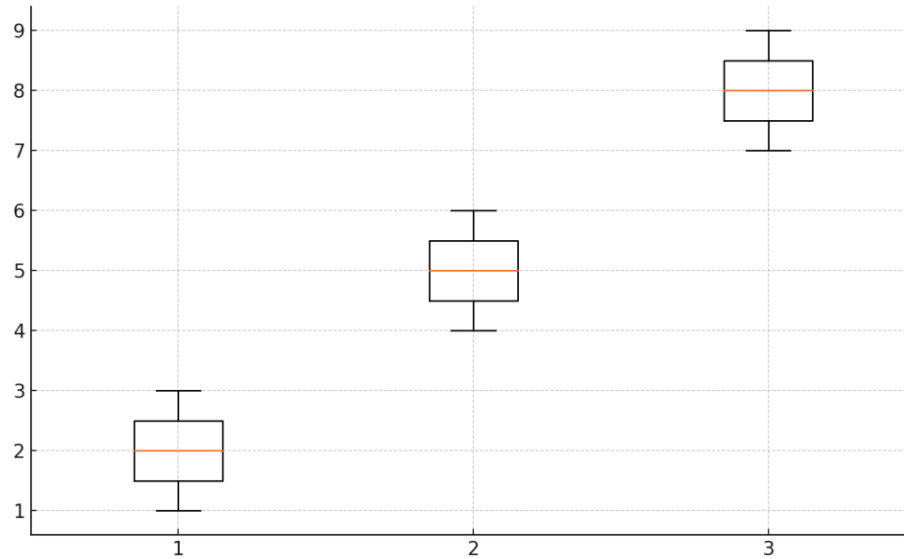- Example:
- plt.bar(x, height)

plt.hist()

- Description:
- Plots a histogram with bins.

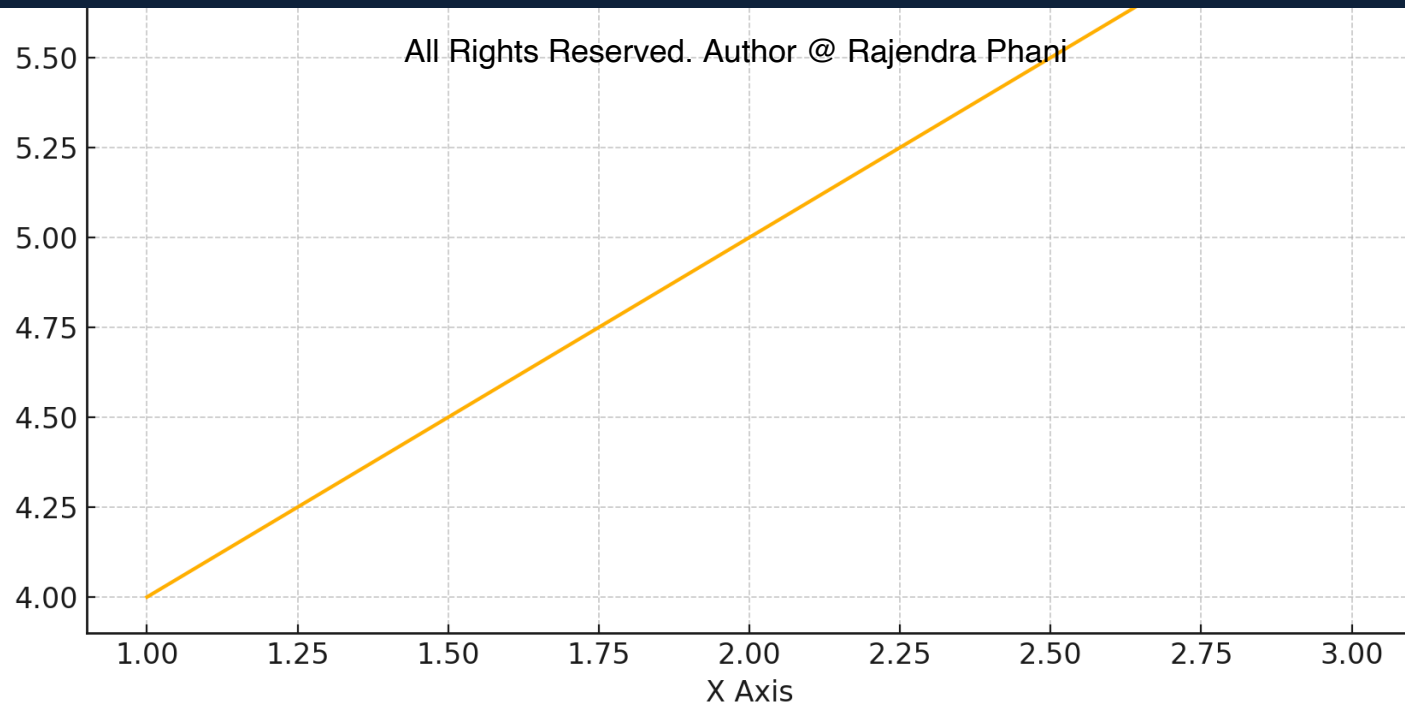- Example:
- plt.hist(data, bins=5)
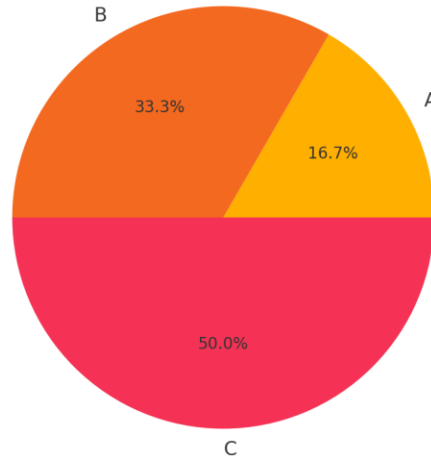
plt.pie()

- Description:
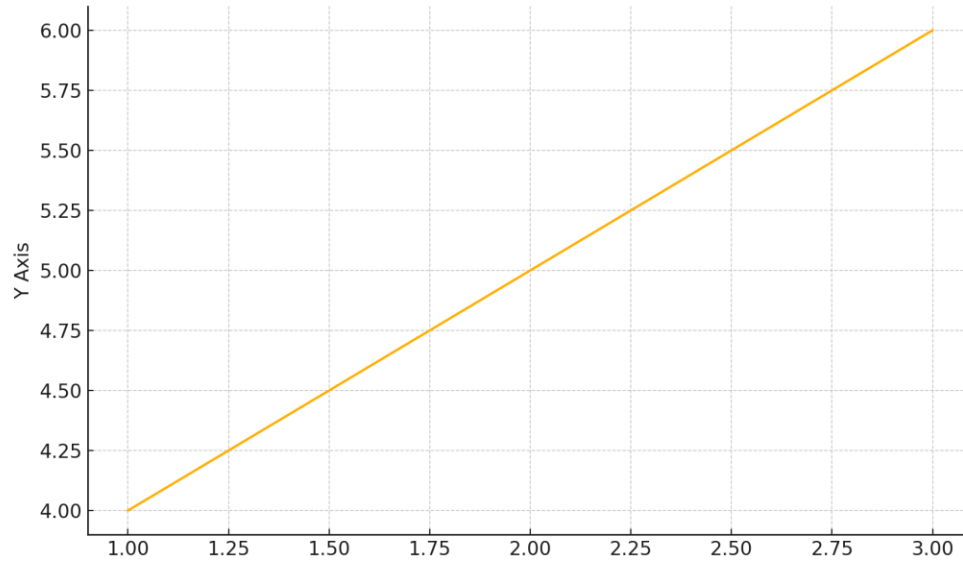- Plots a pie chart.

- Example:
- plt.pie(sizes, labels=labels)

plt.boxplot()

- Description:
- Creates a box plot to show distributions.

- Example:
- plt.boxplot(data)

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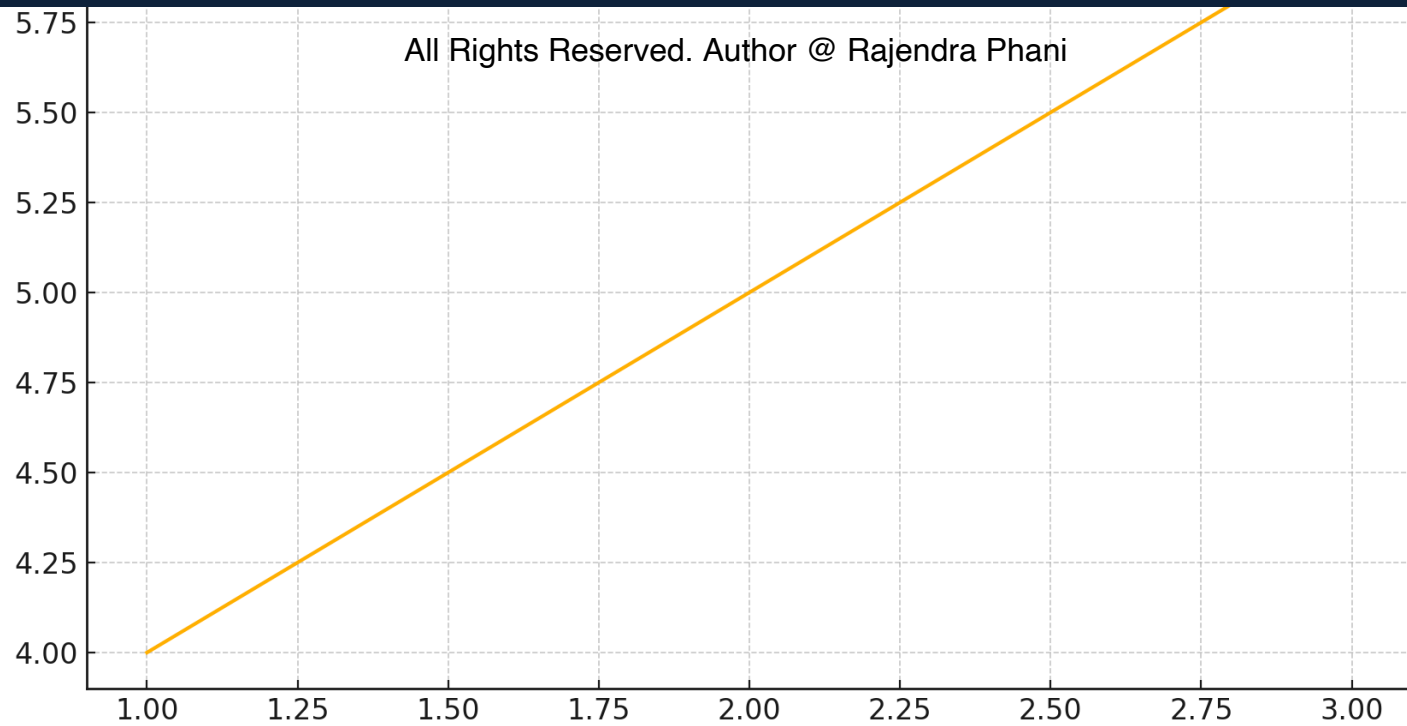
X Axis

plt.xlabel()

- Description:
- Sets the label for the x-axis.

- Example:
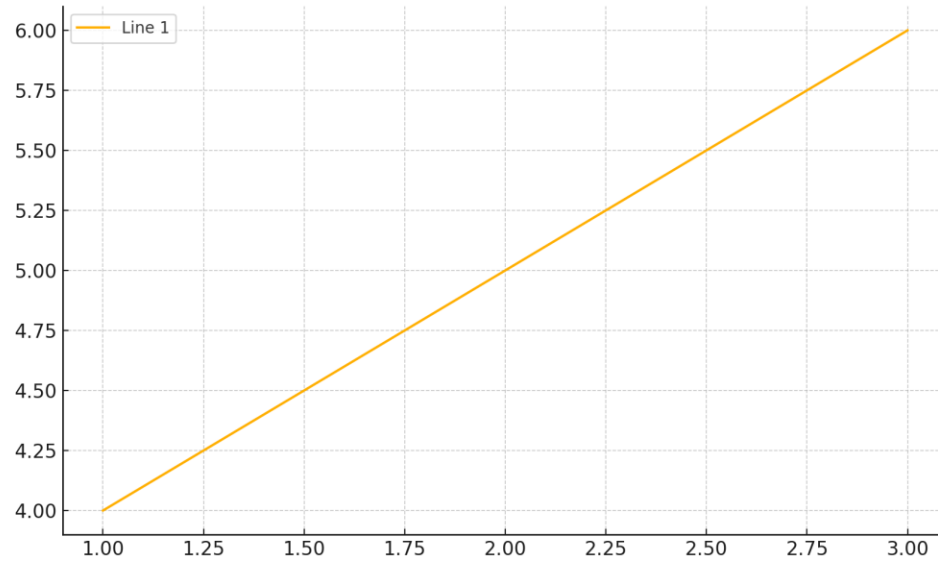- plt.xlabel('X Axis')

plt.ylabel()

- Description:
- Sets the label for the y-axis.

- Example:
- plt.ylabel('Y Axis')

plt.title()

- Description:
- Sets the title of the plot.

- Example:
- plt.title('Sample Title')

plt.legend()

- Description:
- Adds a legend to the plot.

- Example:
- plt.legend(['Series 1'])