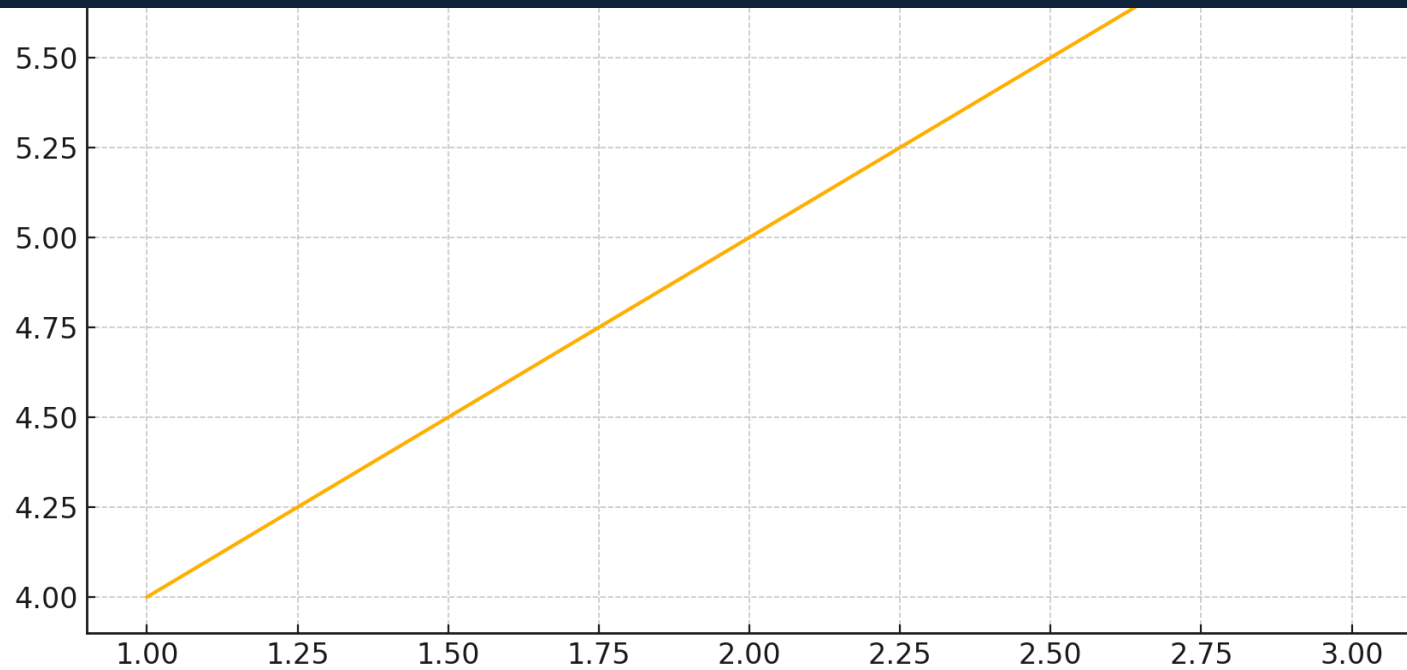


Matplotlib Commands Overview

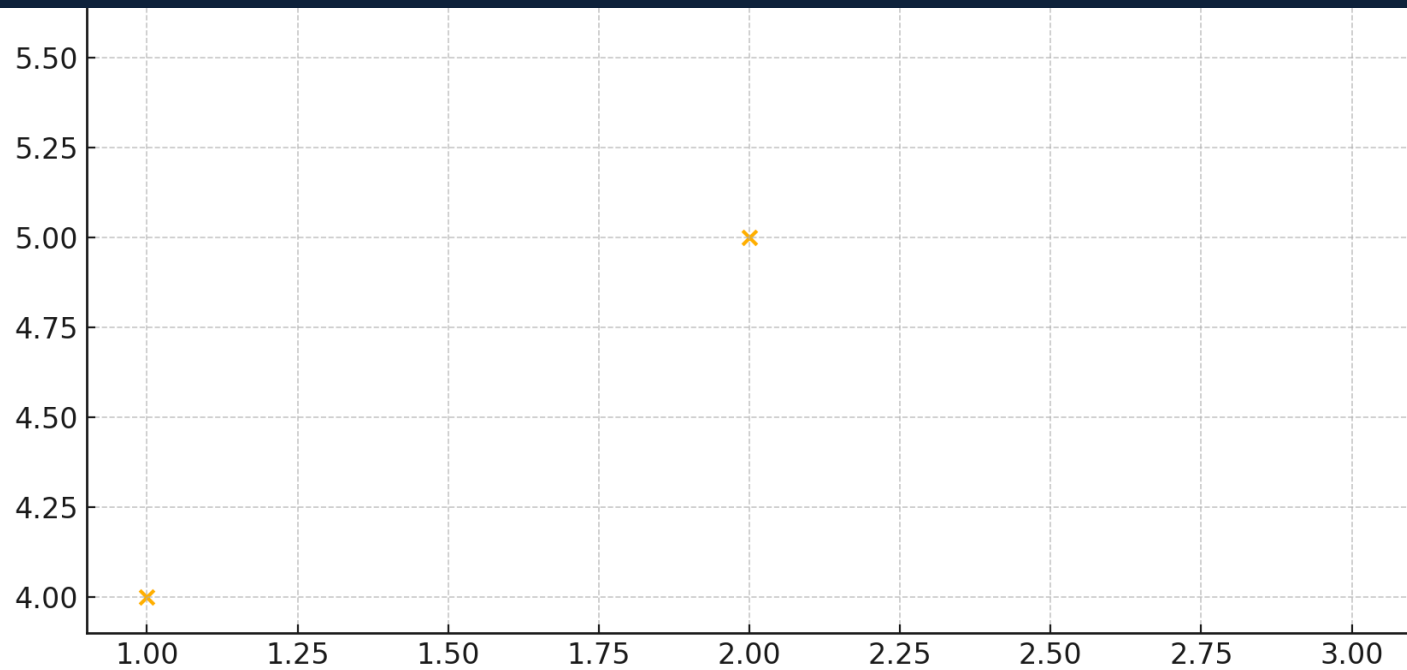
A comprehensive guide to Matplotlib
functions with examples and charts





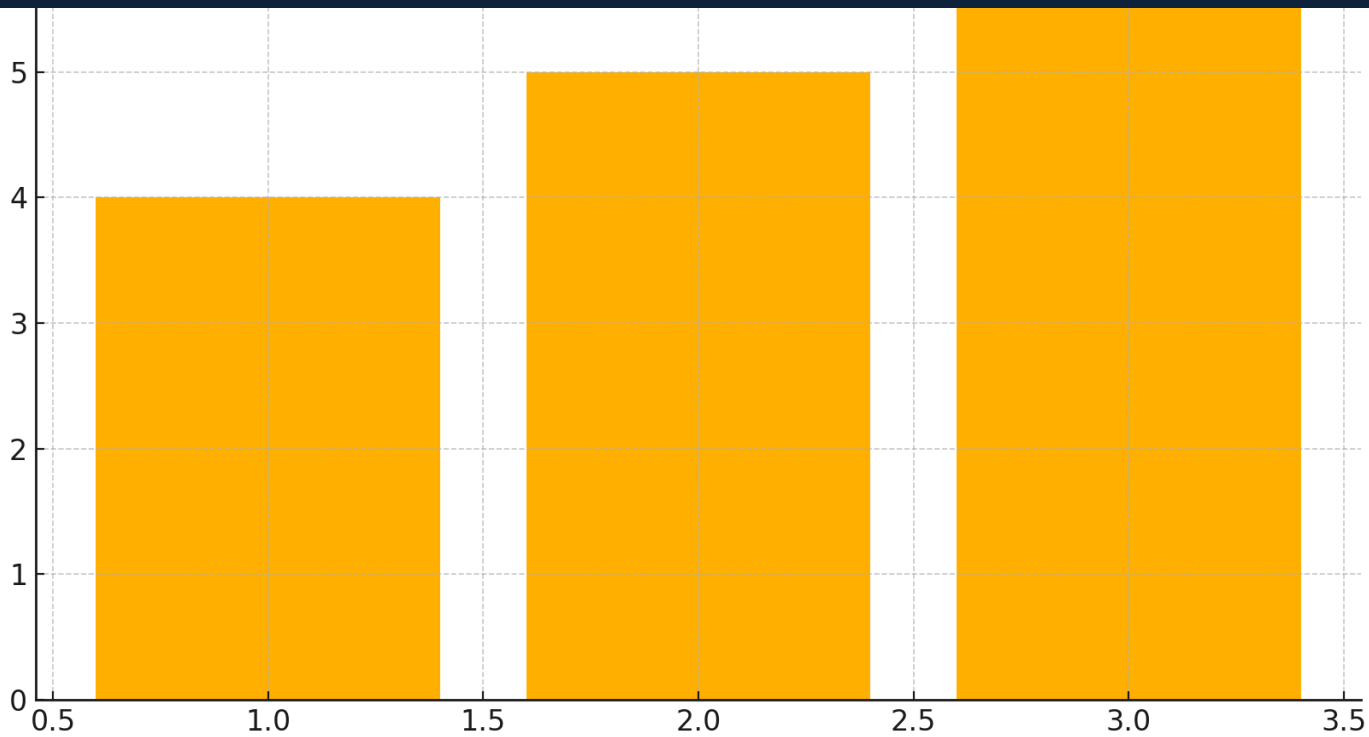
plt.plot()

- Description:
- Plots y versus x as lines and/or markers.
- Example:
- `plt.plot(x, y)`



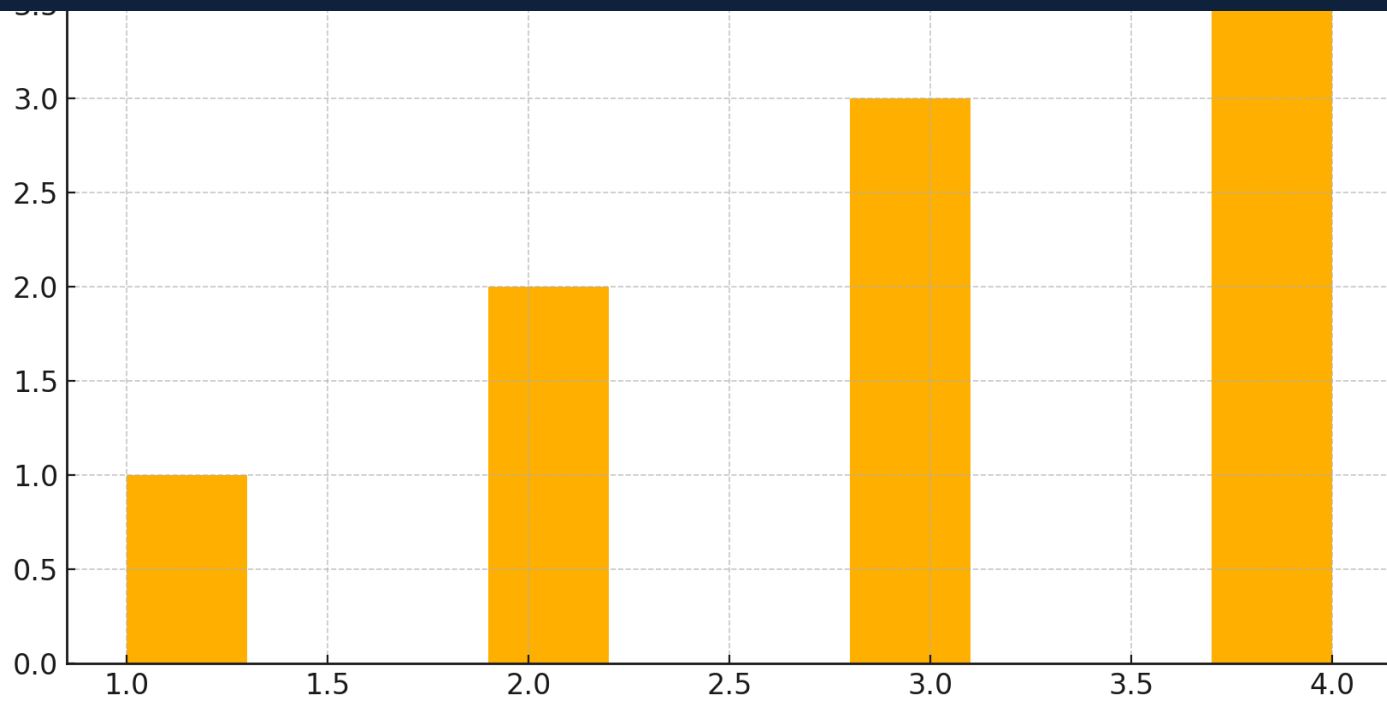
plt.scatter()

- 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)`

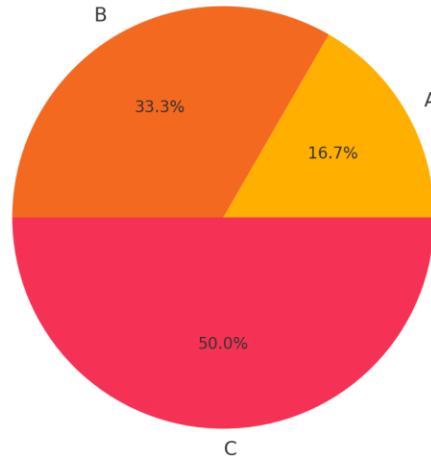


plt.hist()

- Description:
- Plots a histogram with bins.
- Example:
- `plt.hist(data, bins=5)`

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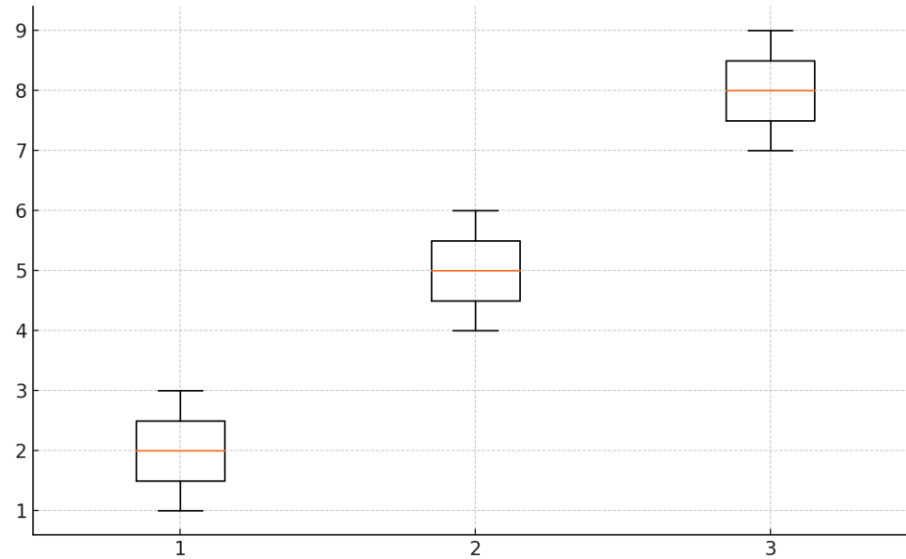


plt.pie()

- Description:
- Plots a pie chart.
- Example:
- `plt.pie(sizes, labels=labels)`

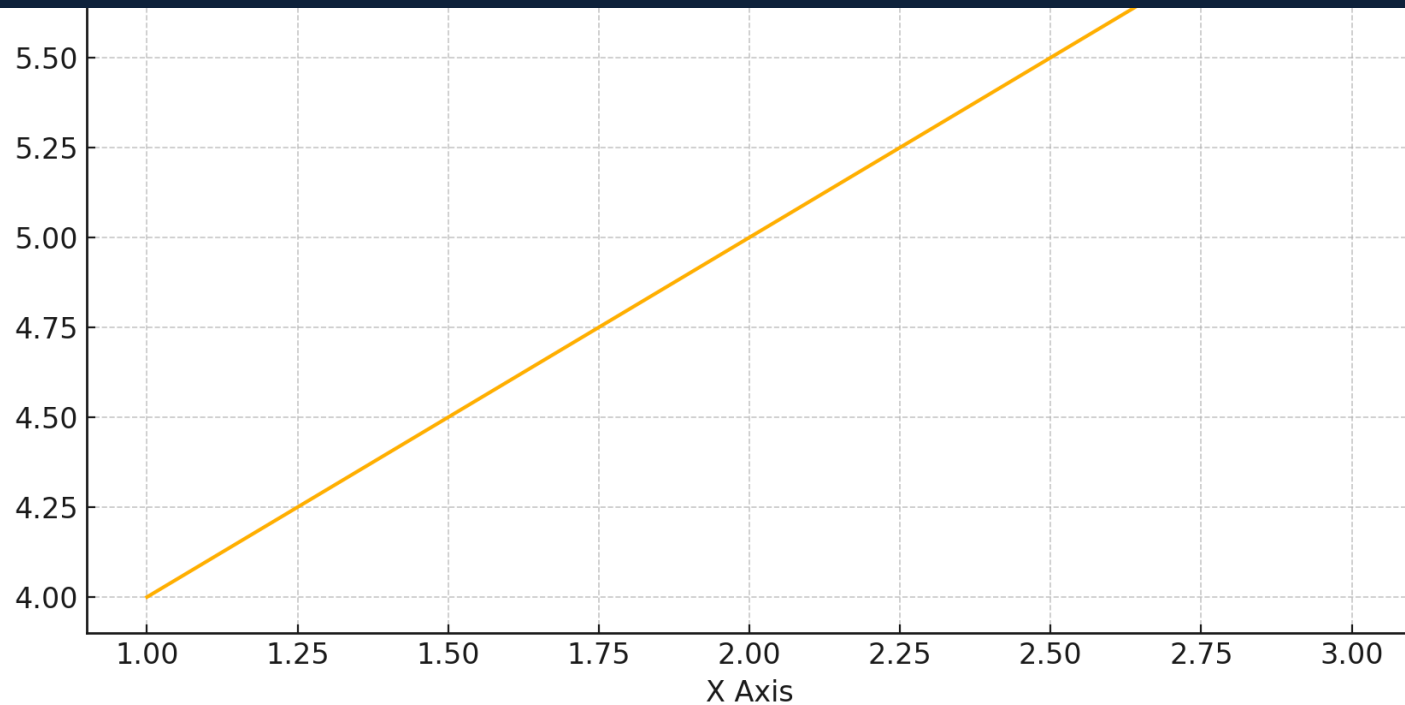
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plt.boxplot()

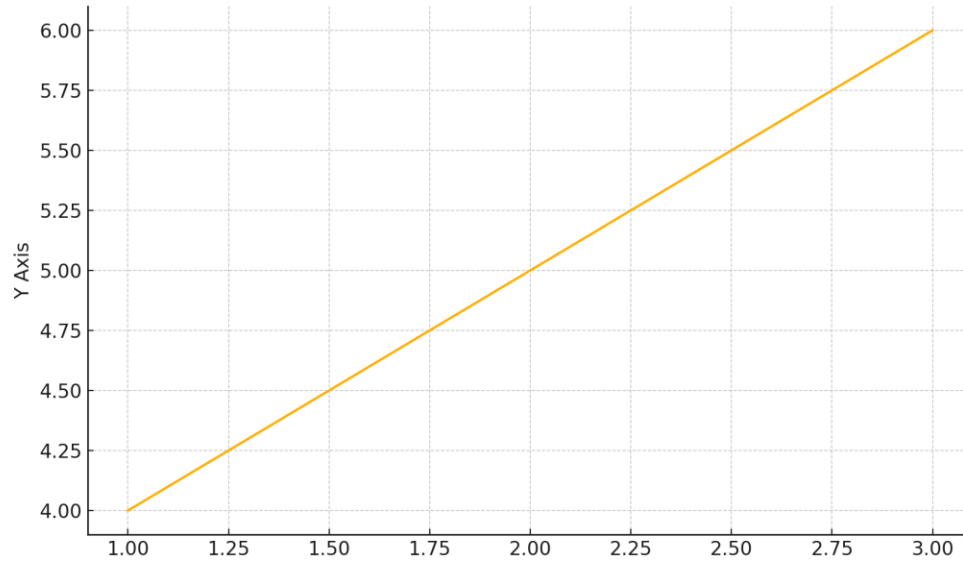
- Description:
- Creates a box plot to show distributions.
- Example:
- `plt.boxplot(data)`



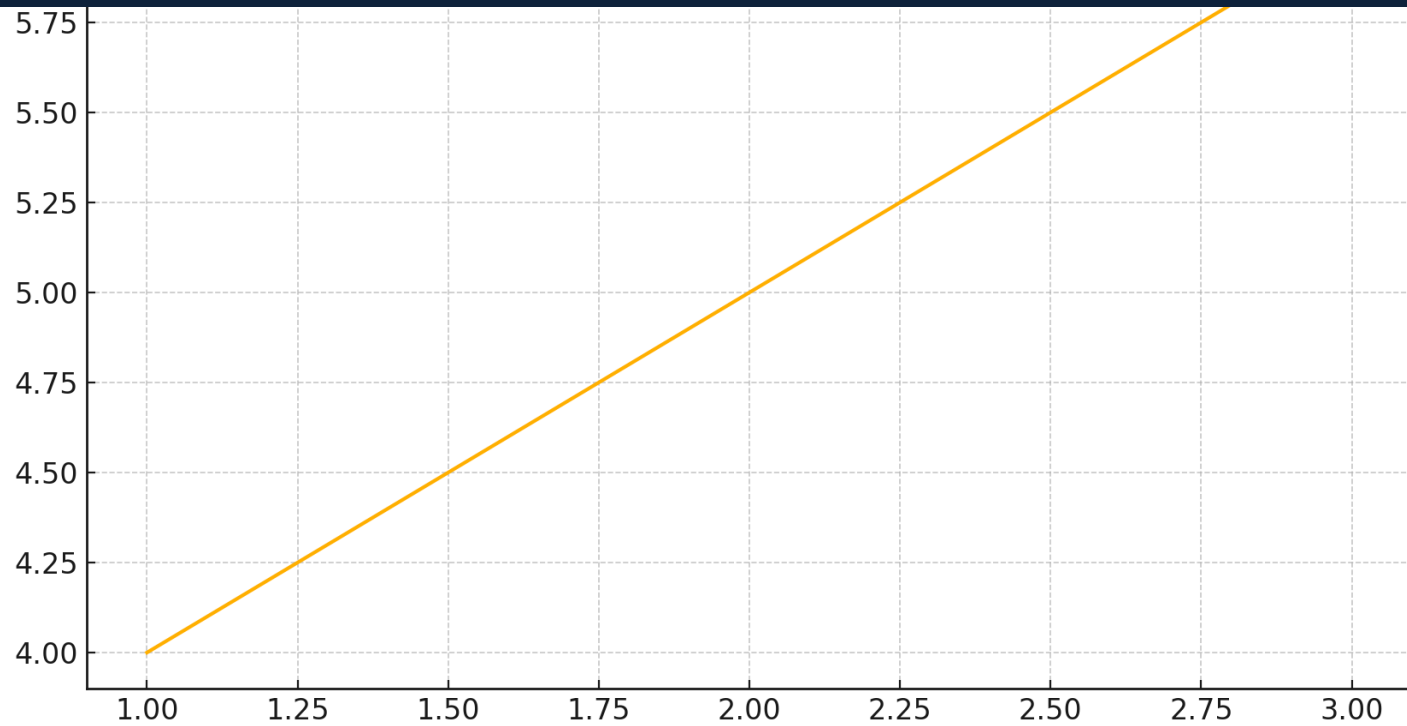
plt.xlabel()

- Description:
- Sets the label for the x-axis.
- Example:
- `plt.xlabel('X Axis')`

plt.ylabel()



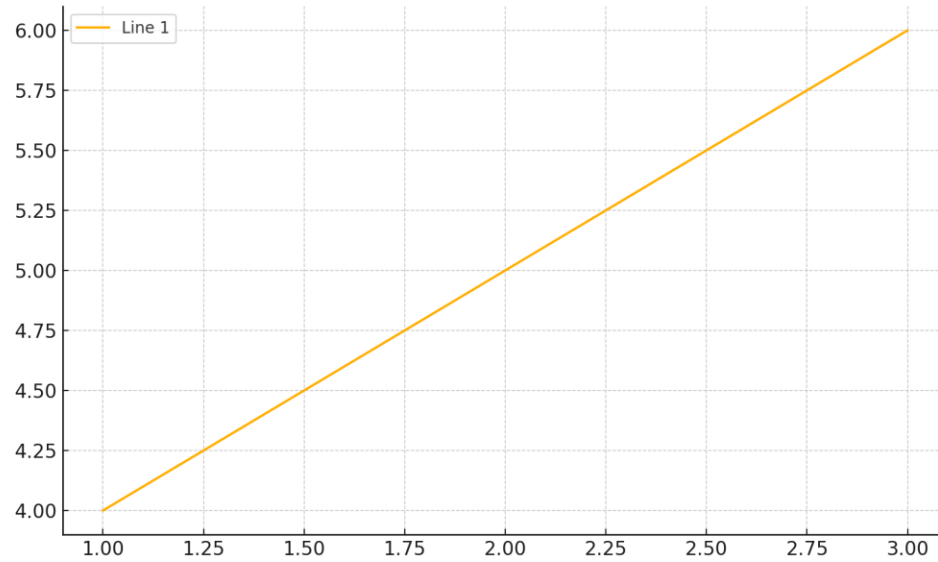
- Description:
- Sets the label for the y-axis.
- Example:
- `plt.ylabel('Y Axis')`



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'])`