Aim: To write a python program to read axis values from a textfile. draw a line plot using those values and add appropriate labels to the the x-axis, y axis's and a title
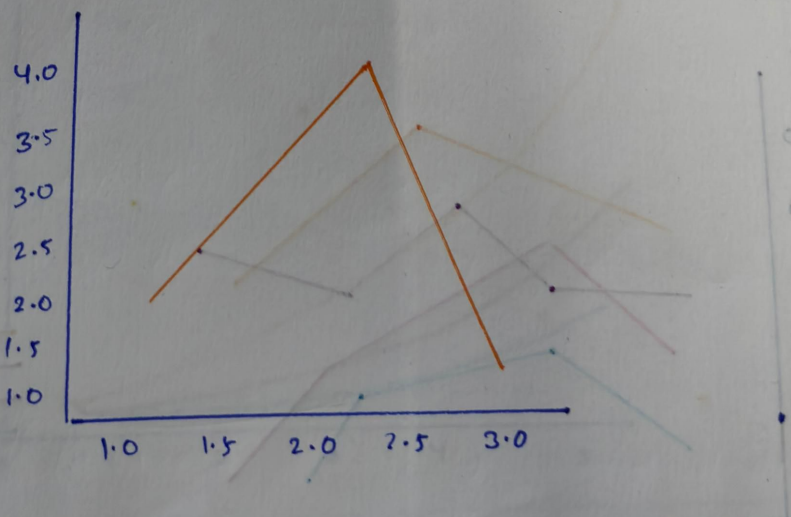
pseudocode:

☘ Import matplotlib.pyplot for plotting

☘ Read Data from files

☘ plot the line using the plot() function. using the values from the lists

☘ Display the plot

Sample input:

1					
2					
3					

Sample output:

Result:

this code was executed successfully and got the output

```python
# Data for the line plot (simulating file contents)
data = [(1, 2), (2, 4), (3, 1)]

# Unpacking x and y values
x, y = zip(*data)

# Plotting the line
plt.plot(x, y, marker='o')
plt.xlabel("X-axis Label")
plt.ylabel("Y-axis Label")
plt.title("Line Plot from Provided Data")
plt.show()
```

Code cell output actions

Line Plot from Provided Data