

23. Write a Python program to draw a line using given axis values taken from a text file, with suitable label in the x axis, y axis and a title.

Test Data:

test.txt

1 2

2 4

3 1

23.line plot from text file.py - C:/Query processing/23.line plot from text file.py (3.11.1)

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```
import matplotlib.pyplot as plt
```

```
# Read data from the file
```

```
x_values = []
```

```
y_values = []
```

```
with open('text file.txt', 'r') as file:
```

```
    for line in file:
```

```
        x, y = map(int, line.split())
```

```
        x_values.append(x)
```

```
        y_values.append(y)
```

```
# Plot the data
```

```
plt.plot(x_values, y_values)
```

```
plt.xlabel('X Axis')
```

```
plt.ylabel('Y Axis')
```

```
plt.title('Line Plot from File Data')
```

```
plt.show()
```

