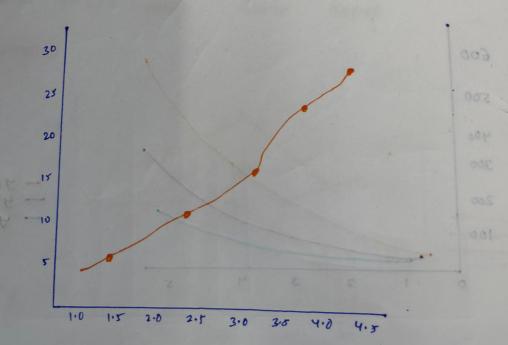
Aim: 70 write a python program to create man multiple plots records donor window and release the Hold

## psendocode:

- & impost the matplotlib pyplot for plotting
- I create datasets for each subject
- + use pit-subplot() to create a goo'd layout and dedire the no of rows and columns
- & Display layout and plot

## sample input:

## Sample output:



Refult.

has been executed successfully and sor These code

Aim:

box

pse

```
import matplotlib.pyplot as plt
import numpy as np

x = np.linspace(0, 10, 100)
y1, y2, y3, y4 = np.sin(x), np.cos(x), np.tan(x), np.exp(-x)

fig, axs = plt.subplots(2, 2, figsize=(10, 8))
axs[0, 0].plot(x, y1, color='blue'), axs[0, 0].set_title('Sine')
axs[0, 1].plot(x, y2, color='green'), axs[0, 1].set_title('Cosine')
axs[1, 0].plot(x, y3, color='red'), axs[1, 0].set_title('Tangent')
axs[1, 1].plot(x, y4, color='purple'), axs[1, 1].set_title('Exponential Decay')

plt.tight_layout(), plt.show()
```

