**23.How to use Legends, Titles, and Labels with Matplotlib in python?**

**Objective:**

* To differentiate two different curves using matplotlib legends, titles and labels using python.

**Process:**

* Import matplotlib package and sub packages also.
* Load the data set.
* Use plot function to differentiate two curves.
* Pass the corresponding variable to the plot function.

**Input:**

* Data set(sample).

**Output:**

* Legends,lables,titles for given data set plot.

**Source code:**

#import libraries

import matplotlib.pyplot as plt

import pandas as pd

#sample data

data={'salary':[100,200,300],

'age':[90,95,600],

'rating':[110,96,250],

'bonus':[2500,1200,900]}

#create data frame

df=pd.DataFrame(data)

x = (df['salary'])

y = (df['bonus'])

x2 = (df['rating'])

y2 = (df['age'])

#call the plot functions

plt.plot(x, y, label='First Line',color='r')

#second curve

plt.plot(x2, y2, label='Second Line',color='g')

#define the lables and title

plt.xlabel('Salary and rating')

plt.ylabel('age and bonus')

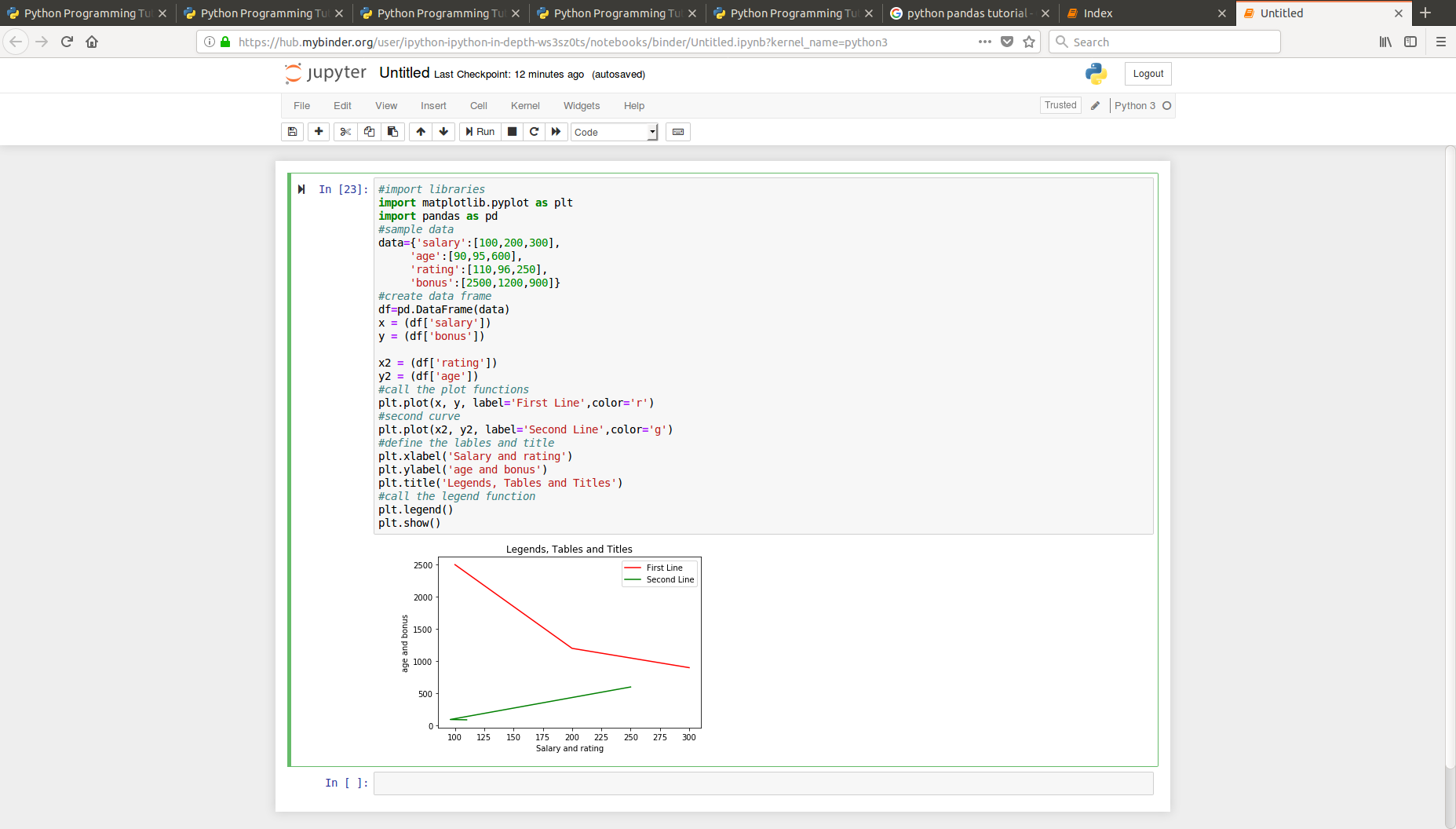
plt.title('Legends, Tables and Titles')

#call the legend function

plt.legend()

plt.show()

**Screen shots:**

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