**20.How to find correlation between two variables using kendal method in python?**

**Objective:**

* To find correlation using kendal method using python.

**Process:**

* Import kendal method from scipy.stats.
* Load the sample data set.
* Pass the arguments x and y to the kendal().

**Input:**

* Data set(sample).

**Output:**

* Correlation and probability value of corresponding variables.

**Source code:**

#import pandas library

import pandas as pd

#import kendal method from scipy.stats

from scipy.stats import kendalltau

#load sample data

data={'salary':[1000,200,300,400,50,400,300,2000,100,

50],

'age':[25,26,25,23,30,29,23,23,25,25],

'rating':[4,3.24,2.5,2.25,2,2.25,2.5,2.75,3.2,4.2], 'bonus':[2500,1200,900,3000,1800,1400,850,250,

750,1000]}

#create and store the data into a data frame

df=pd.DataFrame(data)

#pass the arguments to kendal()

p=kendalltau(df['salary'],df['age'])

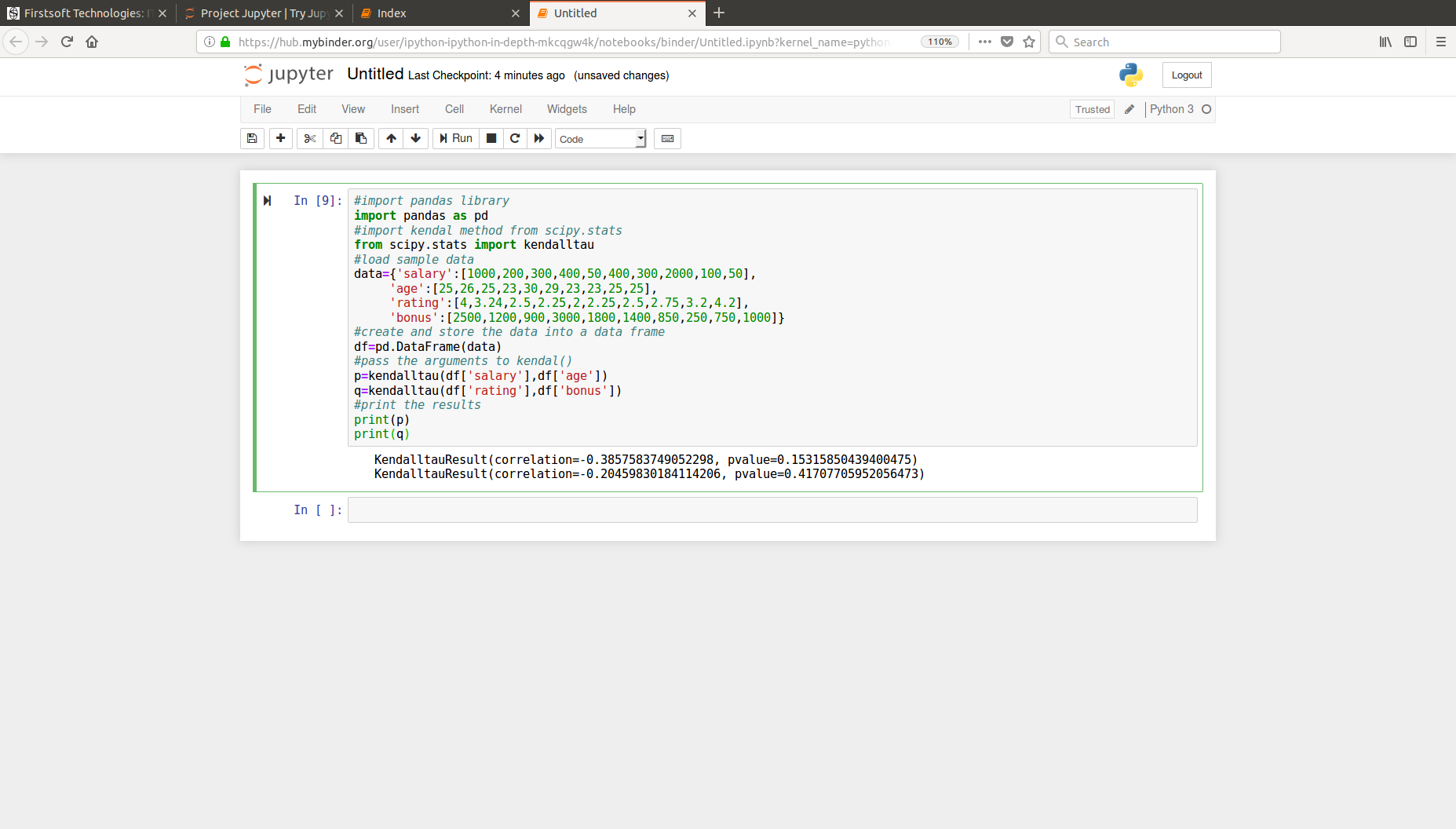
q=kendalltau(df['rating'],df['bonus'])

#print the results

print(p)

print(q)

**Screen shot:**

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