**24.How to use apply() and unique() for sample data set using python?**

**Objective:**

* To use apply(),unique() for given data sample in python.

**Process:**

* Import pandas library.
* Load the sample data.
* Create the date frame.
* Use apply() and unique() functions.

**Input:**

* Data set(sample).

**Output:**

* Will get unique values from the columns by using unique().
* We can use custom functions on data frame, by using apply().

**Source code:**

#Import library functions

import pandas as pd

import numpy as np

#sample data set

data={'salary':[100,200,300,400,500,400,300,200,100,50], '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 data frame

df=pd.DataFrame(data)

#call unique()

u=df['salary'].unique()

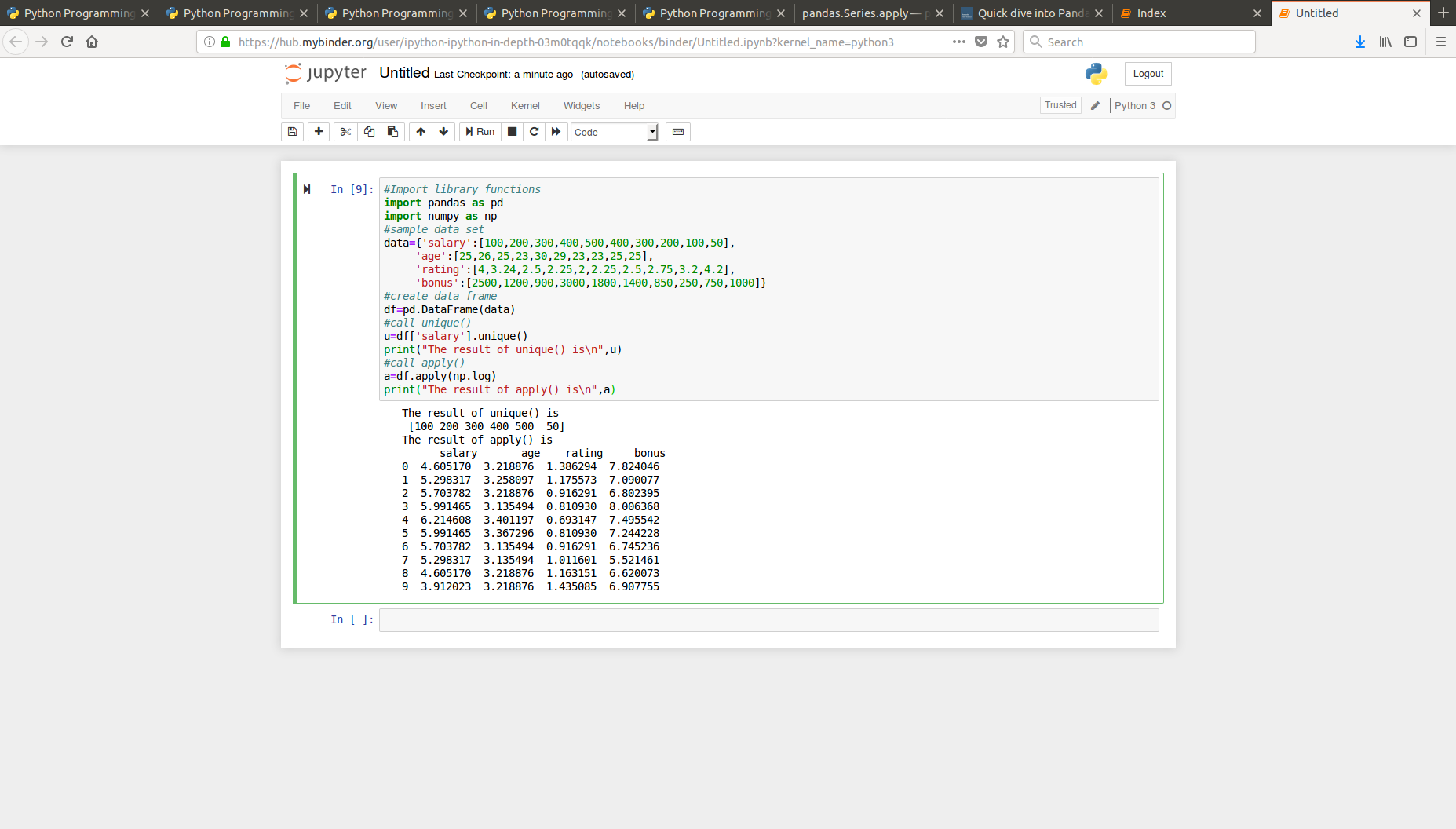
print("The result of unique() is\n",u)

#call apply()

a=df.apply(np.log)

print("The result of apply() is\n",a)

**Screen shot:**

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