**46.How to group variables in python to calculate count, average, sum?**

**Objective:**

* To group variable and calculate count, average and sum using python.

**Process:**

* Read the file.
* Import libraries.
* Use groupby() to group a variable
* Calculate count, average and sum.

**Input:**

* Data set(xlsx file).

**Output:**

* Count, sum and average of a grouped variable.

**Source code:**

#import libraries

import pandas as pd

#read the file

data=pd.read\_excel('/home/soft27/soft27/Sathish/

Pythonfiles/Employee.xlsx')

#create the data frame

df=pd.DataFrame(data)

#grouping the rows

test=df.groupby(['dept'])

test1=df.groupby(['salary'])

#calculate count,average and sum

t=test.describe()

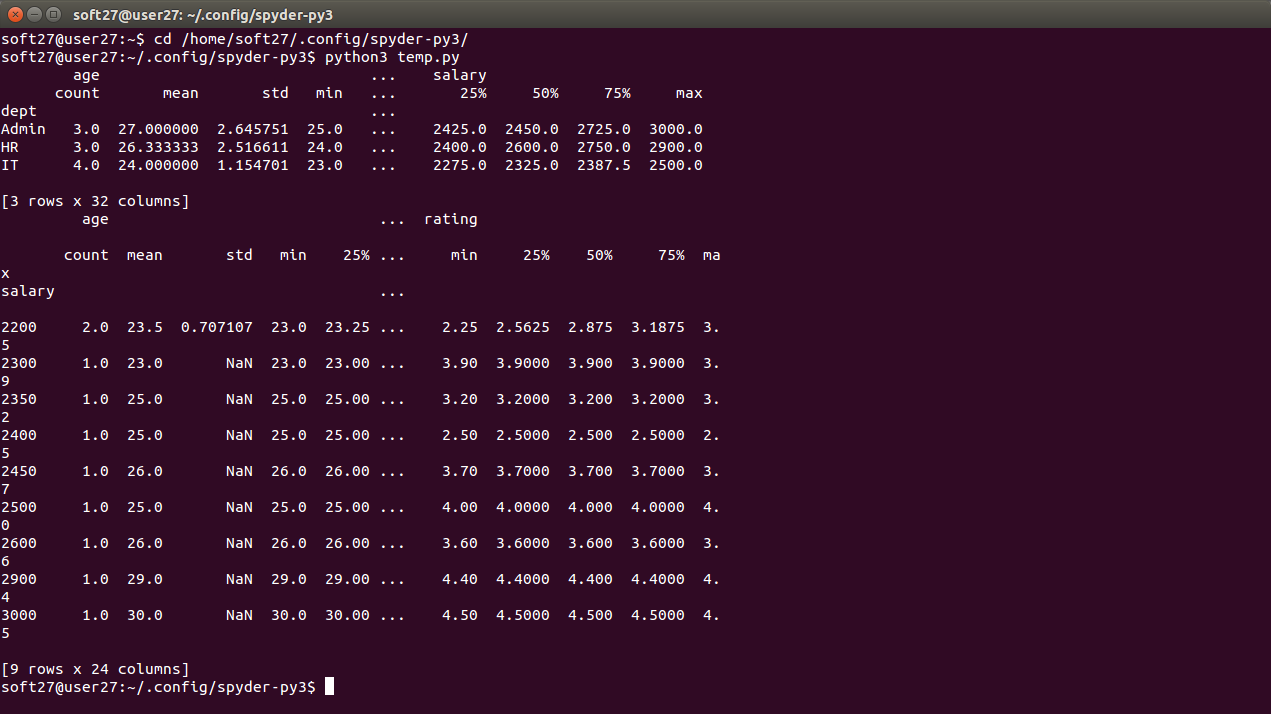
t1=test1.describe()

#printing the output

print(t)

print(t1)

**Screen shots:**

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