

DEPARTMENT OF COMPUTER APPLICATIONS

AMAL JYOTHI COLLEGE OF ENGINEERING

KANJIRAPPALLY



CERTIFICATE

This is to certify that the lab report, “**20MCA241 DATA SCIENCE LAB**” is the bonafide work of **BHADRA RAJAN (REG.NO.:AJC21MCA-2048)** in partial fulfilment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year **2022-23.**

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Lab In- Charge

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Internal Examiner

External Examiner

Experiment No.: 3

Aim

Programs to handle data using pandas

CO1

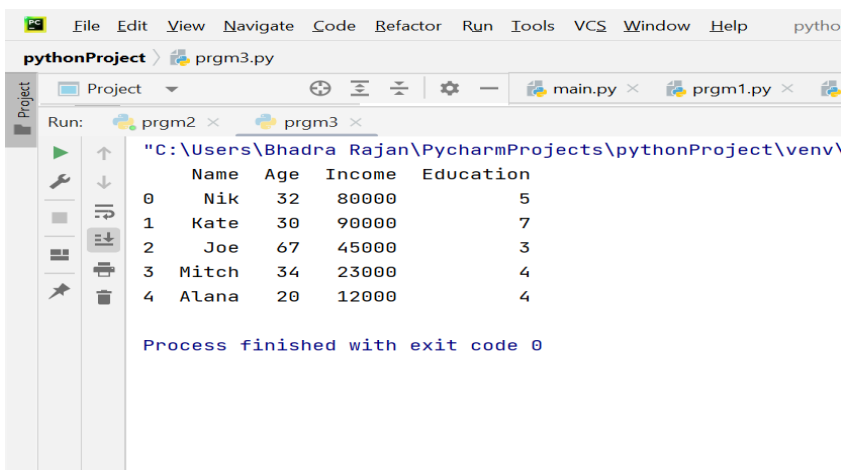
Use different python packages to perform numerical calculations, statistical computations and data visualization

Procedure

import pandas as pd

```
df = pd.DataFrame.from_dict({  
    'Name': ['Nik', 'Kate', 'Joe', 'Mitch', 'Alana'],  
    'Age': [32, 30, 67, 34, 20],  
    'Income': [80000, 90000, 45000, 23000, 12000],  
    'Education': [5, 7, 3, 4, 4]  
})  
  
print(df.head())
```

Output Screenshot



```
"C:\Users\Bhadra Rajan\PycharmProjects\pythonProject\venv\  
    Name  Age  Income  Education  
0    Nik   32   80000         5  
1   Kate   30   90000         7  
2    Joe   67   45000         3  
3  Mitch   34   23000         4  
4  Alana   20   12000         4  
  
Process finished with exit code 0
```

Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.