

Roll No. – 815

PRN – 202201070052

Practical 1

Statement -Take/Prepare any text files for any real-life application. For Ex. "Stud.txt", "Placement.csv" and "Result. Csv" files for result Analysis. Combine into "StudentDetails.csv". Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it.

```
Code: f1=open("student.csv","r")
f2=open("Placement.csv","r")
f3=open("StudentPlacement.csv","w")

c1=f1.read()
c2=f2.read()

data1=c1.splitlines()
data2=c2.splitlines()

for l1 in data1:
    w1=l1.split(",")
    for l2 in data2:
        w2=l2.split(",")
        if(w1[0]==w2[0]):
            l1=l1+","+w2[1]+","+w2[2]+"\\n"
            f3.write(l1)

f1.close()
f2.close()
f3.close()
```

Code for statistical Programs :

```
fo = open("StudentPlacement.csv", "r")
```

```
content = fo.read()
```

```
print(content)
```

```
data = content.split("\n")
```

```
rollno = []
```

```
city = []
```

```
marks = []
```

```
name = []
```

```
salary = []
```

```
for line in data:
```

```
    l = line.split(",")
```

```
    if len(l) == 5:
```

```
        rollno.append(int(l[0]))
```

```
        city.append(l[1])
```

```
        marks.append(int(l[2]))
```

```
        name.append(l[3])
```

```
        salary.append(int(l[4]))
```

```
print("max marks : ",name[marks.index(max(marks))],max(marks))
```

```
print("min marks : ",name[marks.index(min(marks))],min(marks))
```

```
print("avg marks : ",((sum(marks))/len(marks)))
```

```
print("total marks : ",sum(marks))
```

```
print("percentage mark : ",(((sum(marks))/600)*100)))
```

Output:

```
IDLE Shell 3.11.3
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Swarup Padvankar/OneDrive/Desktop/Abhi/studee.py =====
811,Jalgaon,98,Abhijeet Jadhav,100000
812,Pune,89,Payas Dalvi,80000
813,Ratnagiri,88,Swaroop Pdvankar,100000
814,Washim,94,Rohit Dahale,150000
815,Amravati,78,Ayush Tank,25000

max marks : Abhijeet Jadhav 98
min marks : Ayush Tank 78
avg marks : 89.4
total marks : 447
percentage mark : 74.5
>>>
```