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Roll No : 506

Division : E1

```
import csv file
file=open("stud_info.csv",'r')
info_dataset=[] while True:
    data=file.readline()
if data:
    info_dataset.append(data.replace("\n", "").split(','))
else:
    break

RollNo=[]
Name=[]
Gender=[]
DOB=[] for row in
info_dataset[1:]:
    RollNo.append(row[0])
Name.append(row[1])
    Gender.append(row[2])
    DOB.append(row[3])

file=open("student_marks.csv",'r')
marks_dataset=[] while True:
    data=file.readline()
if data:
    marks_dataset.append(data.replace("\n", "").split(','))
else:
    break

Maths=[]
Physics=[]
Chemistry=[]
Total=[]
```



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Percentage=[]
    for row in
marks_dataset[1:]:
    Maths.append(row[1])
        Physics.append(row[2])
        Chemistry.append(row[3])
        Total.append(row[4])
        Percentage.append(row[5])

file=open("stud_placement.csv",'r')
placement_dataset=[] while True:
    data=file.readline()
if data:
    placement_dataset.append(data.replace("\n",
    "").split(','))
else:
    break

Company=[]
JobRole=[]
Package=[]
    for row in
placement_dataset[1:]:
        Company.append(row[1])
        JobRole.append(row[2])
        Package.append(row[3])

studentdata=[]
studentdata.append(RollNo)
studentdata.append(Name)
studentdata.append(Gender)
studentdata.append(DOB) studentdata.append(Maths)
studentdata.append(Physics)
studentdata.append(Chemistry)
studentdata.append(Total)
studentdata.append(Percentage)
studentdata.append(Company)
studentdata.append(JobRole)
studentdata.append(Package)

```



```

fw=open("StudentDetails.csv","w")
    data_to_write=[]
    for i in
range(len(studentdata[0])):# 10 rows
row=list()
    for j in
range(len(studentdata)):#12 col
data=studentdata[j][i]
row.append(data)
    row.append('\n')
data_to_write.append(",".join(row))


fw.writelines(data_to_write)
    fw.close()
    f1 =
open("StudentDetails.csv","r")
    d8 =
list(csv.reader(f1,delimiter=","))
    for i in
range(len(d8)):
        del d8[i][12]
    print(d8)

#performing statistical operations on list

# printing average of the all the packages
sum = 0
for i in range(len(d8)):
    sum = sum + float(d8[i][11])

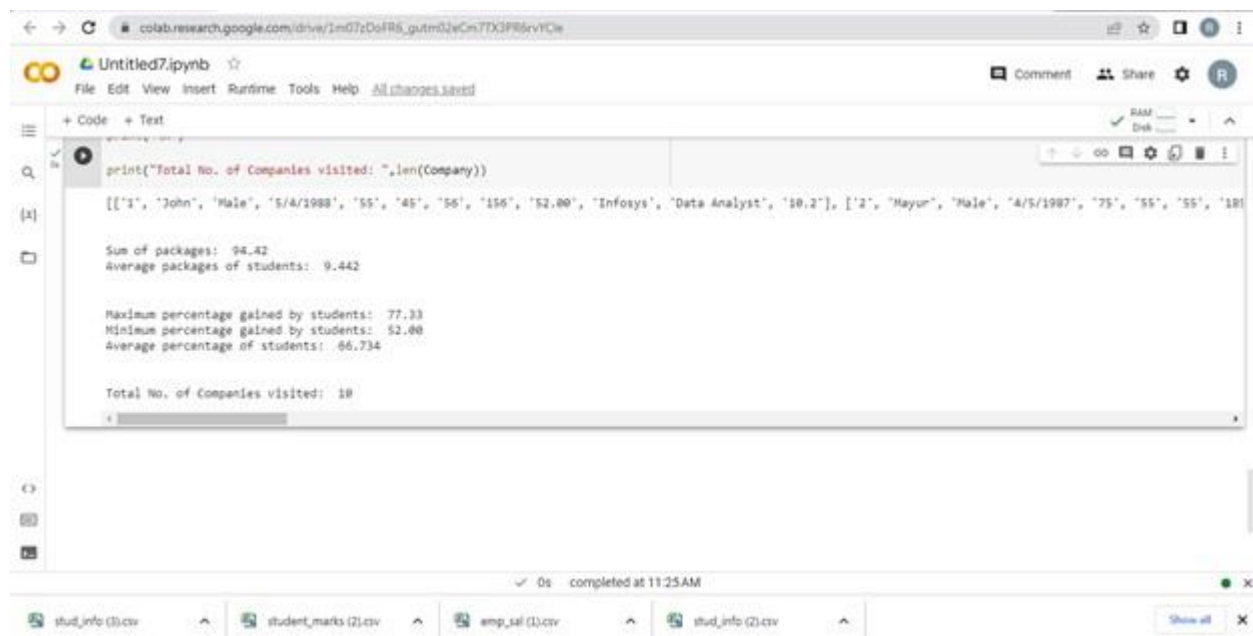
avg = sum/len(d8)

print("\n")
print("Sum of packages: ",sum)
print("Average packages of students: ",avg)

# performing statistical analysis on marks
print("\n\nMaximum percentage gained by students:
",max(Percentage))
print("Minimum percentage gained by students:
",min(Percentage))
per = []
for i in
range(len(d8)):
    per.append(float(Percentage[i]))

```

```
print("Average percentage of students:
",mean(per))
print("\n")
print("Total No. of Companies visited:
",len(Company))
```



The screenshot shows a Google Colab notebook interface. The browser address bar displays a URL from colab.research.google.com. The notebook is titled 'Untitled7.ipynb'. The code editor shows a single cell with the following code: `print("Total No. of Companies visited: ",len(Company))`. Below the code, the output is displayed, showing a list of student data, summary statistics (Sum of packages, Average packages, Maximum/Minimum/Average percentage gained), and the total number of companies visited (10). The status bar at the bottom indicates the code was completed at 11:25 AM. The file manager at the bottom shows several CSV files: 'stud_info (3).csv', 'student_marks (2).csv', 'emp_sal (1).csv', and 'stud_info (2).csv'.

```
print("Total No. of Companies visited: ",len(Company))
```

[[{"1", "John", "Male", "5/4/1988", "55", "45", "55", "156", "52.00", "Infosys", "Data Analyst", "10.2"}, {"2", "Mayur", "Male", "4/5/1987", "75", "55", "55", "180", "66.734"}]]

Sum of packages: 94.42
Average packages of students: 9.442

Maximum percentage gained by students: 77.33
Minimum percentage gained by students: 52.00
Average percentage of students: 66.734

Total No. of Companies visited: 10

0s completed at 11:25 AM

stud_info (3).csv student_marks (2).csv emp_sal (1).csv stud_info (2).csv Show all