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import csv
from statistics import mean

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)

```

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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))

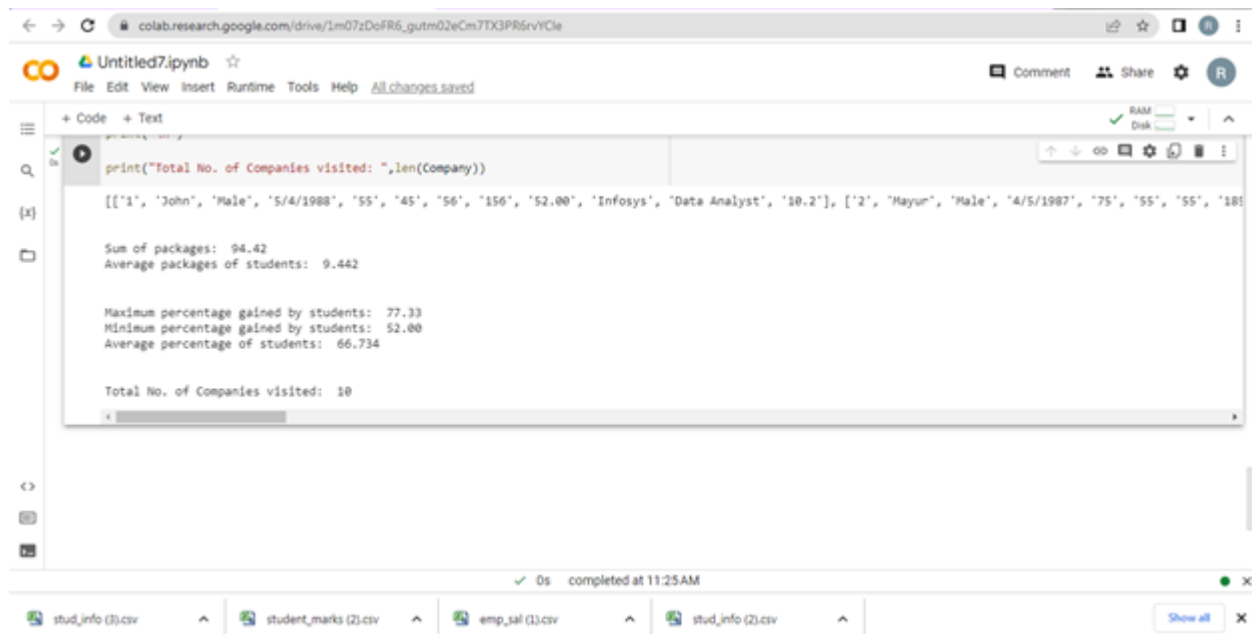
per = []
for i in range(len(d8)):
    per.append(float(Percentage[i]))

```

```
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 `colab.research.google.com/drive/1m07zDoFR6_gutm02eCm7DX3PR6rvYCle`. The notebook is titled "Untitled7.ipynb" and has tabs for "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help". The "Runtime" tab is active, showing a code cell with the following code: `print("Total No. of Companies visited: ",len(Company))`. The output of this code is displayed below the code cell, showing the following text: `[[['1', 'John', 'Male', '5/4/1988', '55', '45', '56', '156', '52.00', 'Infosys', 'Data Analyst', '10.2'], ['2', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '77.33', 'Infosys', 'Data Analyst', '10.2'], ['3', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '52.00', 'Infosys', 'Data Analyst', '10.2'], ['4', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['5', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['6', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['7', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['8', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['9', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2'], ['10', 'Mayun', 'Male', '4/5/1987', '75', '55', '55', '180', '66.734', 'Infosys', 'Data Analyst', '10.2']]]`. Below the code cell, the output is displayed, showing the following text: `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`, and `Total No. of Companies visited: 10`. The bottom of the notebook shows a status bar with a green checkmark, "0s", and "completed at 11:25AM". Below the status bar, there are tabs for "stud_info (3).csv", "student_marks (2).csv", "emp_sal (1).csv", and "stud_info (2).csv".