Import csv

From statistics import mean

File=open(“CSV’s/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(“CSV’s/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=[]

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(“CSV’s/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(“CSV’s/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(“CSV’s/StudentDetails.csv”,”r”)

D8 = list(csv.reader(f1,delimiter=”,”))

For i in range(len(d8)):

Del d8[i][12]

Print(d8)

#peforming 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))