```
# read file
f1=open('/content/stud_info.csv','r')
info_dataset=[]
while True:
    data=f1.readline()
    if data:
        info_dataset.append(data.replace("\n","").split(','))
    else:
        break
print(info_dataset)
print(info_dataset[1])

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])

print(RollNo)
print(Name)
print(Gender)
print(DOB)

f2=open('/content/stud_placement.csv','r')
placement_dataset=[]
while True:
  data=f2.readline()
  if data:
    placement_dataset.append(data.replace("\n","").split(','))
  else:
     break
print(placement_dataset)

RollNo=[]
Company=[]
JobRole=[]
Package=[]

for row in placement_dataset[1:]:
   RollNo.append(row[0])
```

```
    Company.append(row[1])
    JobRole.append(row[2])
    Package.append(row[3])

print(RollNo)
print(Company)
print(JobRole)
print(Package)

f3=open('/content/student_marks.csv','r')
marks_dataset=[]
while True:
  data=f3.readline()
  if data:
    marks_dataset.append(data.replace("\n","").split(','))
  else:
     break
print(marks_dataset)

Math=[]
Physics=[]
Chemistry=[]
Total=[]
Percentage=[]

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

print(Math)
print(Physics)
print(Chemistry)
print(Total)
print(Percentage)

studentdata=[]
studentdata.append(RollNo)
studentdata.append(Name)
studentdata.append(Gender)
studentdata.append(DOB)
studentdata.append(Math)
studentdata.append(Physics)
```

```
studentdata.append(Chemistry)
studentdata.append(Total)
studentdata.append(Percentage)
studentdata.append(Company)
studentdata.append(JobRole)
studentdata.append(Package)
print(studentdata)

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))

data_to_write

fw.writelines(data_to_write)

fw.close()

# 1.Sum of Marks
# 2.Average Marks
print("Math marks=",Math)
print("Physics Marks=",Physics)
print("Chemistry Marks=",Chemistry)
Math=[int(i) for i in Math]
physics=[int(i) for i in Physics]
chemistry=[int(i) for i in Chemistry]
sum_of_marks=[]
avg=[]
for i in range(len(Math)):
    sum_of_marks.append(Math[i]+physics[i]+chemistry[i])
    avg.append(round(sum_of_marks[i],2))
print("Sum of Marks=",sum_of_marks)
print("Average Marks=",avg)

# 3. Max Marks
print("Maximum Marks",max(avg))

# 4. Min marks
```

```
# Max Marks
print("Maximum Marks=",min(avg))

# 5. Count total no of student
print("Total No of student=",len(studentdata[0]))

# 6. Percentage
# Assume math marks=90, physics=90, chem=90
per=[]
for i in range(len(sum_of_marks)):
   per.append(round((100*sum_of_marks[i]/270),2))
print("percentage=",per)
```

```
[['Roll No', 'name', 'Gender', 'DOB'], ['1', 'John', 'Male', '05-04-1988'], ['2',
'Mayur', 'Male', '04-05-1987'], ['3', 'Mangesh', 'Male', '25-05-1989'], ['4',
'Jessica', 'Female', '12-08-1990'], ['5', 'Jennifer', 'Female', '02-09-1989'],
['6', 'Ramesh', 'Male', '03-09-1989'], ['7', 'Suresh', 'Male', '04-09-1990'],
['8', 'Ganesh', 'Male', '05-10-1989'], ['9', 'Komal', 'Female', '06-09-1989'],
['10', 'Mayuri', 'Female', '07-02-1988']] ['1', 'John', 'Male', '05-04-1988']
['1', '2', '3', '4', '5', '6', '7', '8', '9', '10'] ['John', 'Mayur', 'Mangesh',
'Jessica', 'Jennifer', 'Ramesh', 'Suresh', 'Ganesh', 'Komal', 'Mayuri'] ['Male',
'Male', 'Male', 'Female', 'Female', 'Male', 'Male', 'Male', 'Female', 'Female']
['05-04-1988', '04-05-1987', '25-05-1989', '12-08-1990', '02-09-1989', '03-09-
1989', '04-09-1990', '05-10-1989', '06-09-1989', '07-02-1988'] [['Roll No',
'Company', 'JobRole', 'Package'], ['1', 'Infosys', 'Data Analyst', '10.2'], ['2',
'TCS', 'Java Developer', '9.6'], ['3', 'TCS', 'Data Scientist', '12.60'], ['4',
'Infosys', 'Data Analyst', '10.2'], ['5', 'Oracle', 'Java Developer', '9.6'],
['6', 'Oracle', 'Data Scientist', '12.60'], ['7', 'TCS', 'Tester', '6.50'], ['8',
'Infosys', 'Tester', '6.51'], ['9', 'Mindtree', 'Database Admin', '8.30'], ['10',
'Mindtree', 'Database Admin', '8.31']] ['1', '2', '3', '4', '5', '6', '7', '8',
'9', '10'] ['Infosys', 'TCS', 'TCS', 'Infosys', 'Oracle', 'Oracle', 'TCS',
'Infosys', 'Mindtree', 'Mindtree'] ['Data Analyst', 'Java Developer', 'Data
Scientist', 'Data Analyst', 'Java Developer', 'Data Scientist', 'Tester',
'Tester', 'Database Admin', 'Database Admin'] ['10.2', '9.6', '12.60', '10.2',
'9.6', '12.60', '6.50', '6.51', '8.30', '8.31'] [['Roll', 'Maths', 'Physics',
'Chemistry', 'Total', 'Percentage'], ['1', '55', '45', '56', '156', '52.00'],
['2', '75', '55', '55', '185', '61.67'], ['3', '25', '54', '89', '168', '56.00'],
['4', '78', '55', '86', '219', '73.00'], ['5', '58', '96', '78', '232', '77.33'],
['6', '88', '78', '58', '224', '74.67'], ['7', '56', '89', '69', '214', '71.33'],
['8', '54', '55', '88', '197', '65.67'], ['9', '46', '66', '65', '177', '59.00'],
['10', '89', '87', '54', '230', '76.67']] ['55', '75', '25', '78', '58', '88',
'56', '54', '46', '89'] ['45', '55', '54', '55', '96', '78', '89', '55', '66',
'87'] ['56', '55', '89', '86', '78', '58', '69', '88', '65', '54'] ['156', '185',
'168', '219', '232', '224', '214', '197', '177', '230'] ['52.00', '61.67',
'56.00', '73.00', '77.33', '74.67', '71.33', '65.67', '59.00', '76.67'] [['1',
'2', '3', '4', '5', '6', '7', '8', '9', '10'], ['John', 'Mayur', 'Mangesh',
'Jessica', 'Jennifer', 'Ramesh', 'Suresh', 'Ganesh', 'Komal', 'Mayuri'], ['Male',
```

'Male', 'Male', 'Female', 'Female', 'Male', 'Male', 'Male', 'Female', 'Female'], ['05-04-1988', '04-05-1987', '25-05-1989', '12-08-1990', '02-09-1989', '03-09-1989', '04-09-1990', '05-10-1989', '06-09-1989', '07-02-1988'], ['55', '75', '25', '78', '58', '88', '56', '54', '46', '89'], ['45', '55', '54', '55', '96', '78', '89', '55', '66', '87'], ['56', '55', '89', '86', '78', '58', '69', '88', '65', '54'], ['156', '185', '168', '219', '232', '224', '214', '197', '177', '230'], ['52.00', '61.67', '56.00', '73.00', '77.33', '74.67', '71.33', '65.67', '59.00', '76.67'], ['Infosys', 'TCS', 'TCS', 'Infosys', 'Oracle', 'Oracle', 'TCS', 'Infosys', 'Mindtree', 'Mindtree'], ['Data Analyst', 'Java Developer', 'Data Scientist', 'Data Analyst', 'Java Developer', 'Data Scientist', 'Tester', 'Tester', 'Database Admin', 'Database Admin'], ['10.2', '9.6', '12.60', '10.2', '9.6', '12.60', '6.50', '6.51', '8.30', '8.31']] Math marks= ['55', '75', '25', '78', '58', '88', '56', '54', '46', '89'] Physics Marks= ['45', '55', '54', '55', '96', '78', '89', '55', '66', '87'] Chemistry Marks= ['56', '55', '89', '86', '78', '58', '69', '88', '65', '54'] Sum of Marks= [156, 185, 168, 219, 232, 224, 214, 197, 177, 230] Average Marks= [156, 185, 168, 219, 232, 224, 214, 197, 177, 230] Maximum Marks 232 Maximum Marks= 156 Total No of student= 10 percentage= [57.78, 68.52, 62.22, 81.11, 85.93, 82.96, 79.26, 72.96, 65.56, 85.19]