```
1
2  f1 = open('/content/stud_info.csv', 'r')
3  info_dataset = []
4  while True:
5      data = f1.readline()
6      if data:
7          info_dataset.append(data.replace("\n",
               "").split(','))
8      else:
9          break
10 f1.close()
11
12 # Print the data from the first file
13 print(info_dataset)
14 print(info_dataset[1])
15
16 RollNo = []
17 Name = []
18 Gender = []
19 DOB = []
20
21 # Extract data from the first file
22 for row in info_dataset[1:]:
23     RollNo.append(row[0])
24     Name.append(row[1])
25     Gender.append(row[2])
26     DOB.append(row[3])
27
28 print(RollNo)
29 print(Name)
30 print(Gender)
```

```
print(DOB)

# Read the second file
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
f2.close()

# Extract data from the second file
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)
```

```
# Read the third file
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
f3.close()

# Extract data from the third file
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)
```

```
 98  studentdata.append(Physics)
 99  studentdata.append(Chemistry)
100  studentdata.append(Total)
101  studentdata.append(Percentage)
102  studentdata.append(Company)
103  studentdata.append(JobRole)
104  studentdata.append(Package)
105
106  print(studentdata)
107
108  fw = open('StudentDetails.csv', 'w')
109  data_to_write = []
110
111  for i in range(len(studentdata[0])):
112      row = list()
113      for j in range(len(studentdata)):
114          data = studentdata[j][i]
115          row.append(data)
116      row.append('\n')
117      data_to_write.append(",".join(row))
118
119  fw.writelines(data_to_write)
120  fw.close()
121
122  # Calculate the sum and average marks
123  print("Math marks =", Math)
124  print("Physics Marks =", Physics)
125  print("Chemistry Marks =", Chemistry)
126
127  Math = [int(i) for i in Math]
128  Physics = [int(i) for i in Physics]
129  Chemistry = [int(i) for i in Chemistry]
130
131  sum_of_marks = []
132  avg = []
133
134  for i in range(len(Math)):
135      sum_of_marks.append(Math[i] + Physics[i] +
```

Output:-

[['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]