Name : Rajvardhan Kishor Patil

Div : H2. Roll No. : 844

Prn No. : 202201040123

```
import csv f1=open("C:\\Users\\Desktop\\844eds\\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) f2=open("C:\\Users\\Desktop\\844eds\\stud_placement.csv","r")
f3=open("C:\\Users\\Desktop\\844eds\\student_marks.csv","r")
[['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', '']]
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)
['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']
f2=open("C:\\Users\\Desktop\\844eds\\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)
[['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', '']]
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)
['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']
f3=open("C:\\Users\\Desktop\\844eds\\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)
```

[['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', '']]

Roll=[] Maths=[]

Physics=[]

Chemistry=[]

Total=[] Percentage=[] for row

in marks_dataset[1:]:

Roll.append(row[0])

Maths.append(row[1])

Physics.append(row[2])

Chemistry.append(row[3]) Total.append(row[4])

Percentage.append(row[5])

print(Roll) print(Maths) print(Physics)

print(Chemistry) print(Total)

print(Percentage)

['1', '2', '3', '4', '5', '6', '7', '8', '9', '10']

['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']

student_data=[] for i in

range(len(marks_dataset)):

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

```
studentdata.append(Package)

studentdata.append(Roll) studentdata.append(Maths)

studentdata.append(Physics)

studentdata.append(Chemistry)

studentdata.append(Total)

studentdata.append(Percentage) print(studentdata)

[['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'], ['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'],

['1', '2', '3', '4', '5', '6', '7', '8', '9', '10'], ['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']]

# fw=open("C:\\Users\\Desktop\\844eds\\ All_stud_details.csv","w")

# stastical Operations print("Math

Marks=",Maths) print("Physics marks=",Physics) print("Chemistry

marks=",Chemistry)

Math=[int(i) for i in Maths] Physics=[int(i) for i in

Physics] Chemistry=[int(i) for i in Chemistry]

sum_of_marks=[] average=[] for i in range(len(Math)):

sum_of_marks.append(Math[i]+Physics[i]+Chemistry[i])

average.append(round(sum_of_marks[i],2))
```

print("Sum of marks=",sum_of_marks) print("Average

of marks=",average)

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 of marks= [156, 185, 168, 219, 232, 224, 214, 197, 177, 230]

#max marks print("maximum marks=",max(sum_of_marks)) maximum

marks= 232 print("minimum marks=",min(sum_of_marks)) minimum

marks= 156 print("total no of students=",len(studentdata[0])) total no of

students= 10 print("total no company=",len(studentdata[5])) total no

company= 10 print("jobrole=",len(studentdata[6])) jobrole= 10

per=[] for i in

range(len(sum_of_marks)): per.append(round((100*sum_of_marks[i]/270),2))

print("Percentage=",per)

Percentage= [57.78, 68.52, 62.22, 81.11, 85.93, 82.96, 79.26, 72.96, 65.56,

85.19]