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#part-1
f1 = open("/content/sample_data/student_information.csv","r")

info_dataset = []
while True:
    data = f1.readline()
    if data:
        info_dataset.append(data.replace("\n","").split(","))
    else:
        break;
print(info_dataset)

#part-2
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)

#part-3
f2 = open("/content/sample_data/stud_placement.csv","r")

placement_dataset1 = []
while True:
    data = f2.readline()
    if data:
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        placement_dataset1.append(data.replace("\n","").split(","))
    else:
        break;
print(placement_dataset1)

#part-4
Rollno = []
Company = []
JobRole = []
Package = []

for row in placement_dataset1[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)

#part-5
f3 = open("/content/sample_data/student_marks.csv","r")

marks_dataset2 = []
while True:
    data = f3.readline()
    if data:
        marks_dataset2.append(data.replace("\n","").split(","))
    else:
        break;
print(marks_dataset2)

#part-6
Roll = []
Maths = []
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Physics = []
Chemistry = []
Total = []
Percentage = []

for row in marks_dataset2[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)

#part-7
student_details = []
for i in range(len(marks_dataset2)):
        student_details.append(info_dataset[i] + placement_dataset1[i] +
marks_dataset2[i])
print(student_details)

Physics = list(map(int,Physics))
phytotal = 0
for i in range(len(Roll)):
    phytotal = phytotal + Physics[i]
phyavg = phytotal/2
print(phyavg)

Chemistry = list(map(int,Chemistry))
chemtotal = 0
for i in range(len(Roll)):
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    chemtotal = chemtotal + Chemistry[i]
chemavg = chemtotal/2
print(chemavg)
Chemistry = list(map(int,Chemistry))
chemmax = 0
for i in range(len(Roll)):
    if(chemmax < Chemistry[i]):
        chemmax = Chemistry[i]
print(chemmax)

Maths = list(map(int,Maths))
mathstotal = 0
for i in range(len(Roll)):
    mathstotal = mathstotal + Maths[i]
print(mathstotal)

Maths = list(map(int,Maths))
mathsmin = 100
for i in range(len(Roll)):
    if(mathsmin > Maths[i]):
        mathsmin = Maths[i]
print(mathsmin)

#part-8
totalmarks = 0
for i in range(len(Roll)):
    totalmarks += Maths[i] + Chemistry[i] +  Physics[i]
print(totalmarks)

Package.sort()
print('sorted list:',Package)
```