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Assignment 1

Code :

```
#Code1  f1=open("/content/sample_data/student.csv","r")
f2=open("/content/sample_data/placement.csv","r")
f3=open("/content/sample_data/stud_placement.csv","w")
 contents1=f1.read()
contents2=f2.read()
print(contents1)
print(contents2) nm=[]
package=[]
lines1=contents1.split("\n")
lines2=contents2.split("\n") lines1.pop()
lines2.pop()
 for l1 in lines1:
  words1=l1.split(",")   for l2 in lines2:
    words2=l2.split(",")     if(words1[0] == words2[0]):
       l1 = l1 + "," + words2[1] + ","  + words2[2] + "\n"        f3.write(l1)

       nm.append(words1[1])        package.append(int(words2[2]))
print(l1)
 f1.close()
f2.close()
f3.close()
```

```
#Code2
f=open("/content/sample_data/stud_placement.csv","r") contents=f.read()
lines=contents.split("\n") lines.pop() sid=[]; nm=[]; company=[]; package=[];
 for l in lines:   words=l.split(",")
print(words)   sid.append(int(words[0]))
nm.append(words[1])
company.append(words[2])
package.append(int(words[3]))
 print("\nStudent IDs",sid) print("Student
Names",nm) print("Student
Company",company) print("Student
Package",package)

#Max Package print("\nMaximum Package
:",max(package))
#Min Package print("Minimum Package
:",min(package))
#Average Package
print("Average Package :",sum(package)/len(package))
#Total Package print("Total Package :",sum(package))

#Student whose package is max print("\nStudent name whose package
is maximum :
",nm[package.index(max(package))])

#Student whose company is Google print("Student name whose company is
Google : ",end=",") for i in range(len(company)):   if company[i]=="Google":
print(nm[i],end=" ")

#Student whose package is 2400000 print("\nStudent name whose
package is 2400000 :
",nm[package.index(2400000)])

#Student whose package is min print("Student name whose
package is minimum :
",nm[package.index(min(package))])
```

```
#Student whose company is Microsoft print("Student name whose company is
Microsoft : ",end=",") for i in range(len(company)):   if company[i]=="Microsoft":
    print(nm[i],end=" ")
 f=0
#Student whose package is 2000000 for i in
range(len(package)):   if package[i]==2000000:
   print("\nStudent name whose package is 2000000 : ",nm[i])    f=1  if(f==0):
  print("No any Student present whose package is 2000000")
```

Output :

```
101,Rohan
102,Mayur
103,Pratik
104,Omkar
105,Roshan

101,Cisco,700000
102,Google,2400000
103,TCS,800000
104,Bajaj,1000000
105,Microsoft,2000000

101,Rohan,Cisco,700000

102,Mayur,Google,2400000

103,Pratik,TCS,800000

104,Omkar,Bajaj,1000000

105,Roshan,Microsoft,2000000
```

```
['101', 'Rohan', 'Cisco', '700000']
['102', 'Mayur', 'Google', '2400000']
['103', 'Pratik', 'TCS', '800000']
['104', 'Omkar', 'Bajaj', '1000000']
['105', 'Roshan', 'Microsoft', '2000000']

Student IDs [101, 102, 103, 104, 105]
Student Names ['Rohan', 'Mayur', 'Pratik', 'Omkar', 'Roshan']
Student Company ['Cisco', 'Google', 'TCS', 'Bajaj', 'Microsoft']
Student Package [700000, 2400000, 800000, 1000000, 2000000]

Maximum Package : 2400000
Minimum Package : 700000
Average Package : 1380000.0
Total Package : 6900000

Student name whose package is maximum :  Mayur
Student name whose company is Google : ,Mayur
Student name whose package is 2400000 :  Mayur
Student name whose package is minimum :  Rohan
Student name whose company is Microsoft : ,Roshan
Student name whose package is 2000000 :  Roshan
```