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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
```