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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")
```

```
101, Yash
102, Om
103, Shyam
104, Shambhu
105, Onkar

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

101, Yash, Cisco, 700000

102, Om, Google, 2400000

103, Shyam, TCS, 800000

104, Shambhu, Bajaj, 1000000

105, Onkar, Microsoft, 2000000
```

```
['101', 'Yash', 'Cisco', '700000"]
[102', 'Om', 'Google', '2400000"]
[103', 'Shyam'TCS, '800000"]
[104', 'Shambhu', 'Bajaj', '1000000"]
[105', 'Onkar 'Microsoft', '2000000]

Student IDs [101, 102, 103, 104, 105]
StudentNames['Yash','Om','Shyam','Shambhu','Onkar']
StudentCompany ['Cisco','Google','TCS','Bajaj','Microsoft']
StudentPackage[780000,2408000,800000,1000000,2000000]

Maximum Package: 2400000
Minimum Package: 700000
Average Package: 1380000
Total Package: 6900000

Student name whose package is maximum: Om
Student name whose company is Google: Om
Student name whose package is 2400000:Om
Student name whose package is minimum : Yash
Student name whose company is Microsoft :Onkar
Student name whose package is 2000000 : Onkar
```

Output :