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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, Shyamy  
102, Swarupya  
103, Adya  
104, Atharya  
105, Akya  
  
101, Cisco, 700000  
102, Google, 2400000  
103, TCS, 800000  
104, Bajaj, 1000000  
105, Microsoft, 2000000  
  
101, Shyamy, Cisco, 700000  
  
102, Swarupya, Google, 2400000  
  
103, Adya, TCS, 800000  
  
104, Atharya, Bajaj, 1000000  
  
105, Akya, Microsoft, 2000000
```

```
['101', 'Shyamy', 'Cisco', '700000']  
['102', 'Swarupya', 'Google', '2400000']  
['103', 'Adya', 'TCS', '800000']  
['104', 'Atharya', 'Bajaj', '1000000']  
['105', 'Akya', 'Microsoft', '2000000']  
  
Student IDs [101, 102, 103, 104, 105]  
Student Names ['Shyamy', 'Swarupya', 'Adya', 'Atharya', 'Akya']  
Student Company ['Cisco', 'Google', 'TCS', 'Bajaj', 'Microsoft']  
Student Package [700000, 2400000, 800000, 1000000, 2000000]  
  
Maximum Package: 2400000  
Minimum Package: 700000  
Average Package: 1380000  
Total Package: 6900000  
  
Student name whose package is maximum: Swarupya  
Student name whose company is Google: Swarupya  
Student name whose package is 2400000: Swarupya  
Student name whose package is minimum : Shyamy  
Student name whose company is Microsoft : Akya  
Student name whose package is 2000000 : Akya
```