Assignment 1

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CODE

```python
#Assignment 1.1

f1=open("/content/sample_data/student.csv","r")
f2=open("/content/sample_data/placement.csv","r")
f3=open("/content/sample_data/Mixed_Place_stdent.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()
```

```python
#Assignment 2
f=open("/content/sample_data/Mixed_Placement+student.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(1900000)])

#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=",")
```

```python
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")
```

<table>
<tr><td>Input Files</td></tr>
</table>

student.csv file:

1,Payal

2,Misal

3,Amisha

4,Pallavi

5,Priyal

Placement.csv file:

1,Google,1900000

2,Microsoft,900000

3,Tesla,850000

4,TCS,800000

5,Bajaj,750000

```
1,Payal
2,Misal
3,Amisha
4,Pallavi
5,Priyal

1,Google,1900000
2,Microsoft,900000
3,Tesla,850000
4,TCS,800000
5,Bajaj,750000

1,Payal
2,Misal
3,Amisha
4,Pallavi
5,Priyal,Bajaj,750000

['1', 'Payal', 'Google', '1900000']
['2', 'Misal', 'Microsoft', '900000']
['3', 'Amisha', 'Tesla', '850000']
['4', 'Pallavi', 'TCS', '800000']

Student IDs [1, 2, 3, 4]
Student Names ['Payal', 'Misal', 'Amisha', 'Pallavi']
Student Company ['Google', 'Microsoft', 'Tesla', 'TCS']
Student Package [1900000, 900000, 850000, 800000]

Maximum Package : 1900000
Minimum Package : 800000
Average Package : 1112500.0
Total Package : 4450000

Student name whose package is maximum :  Payal
Student name whose company is Google : ,Payal
Student name whose package is 1900000:  Payal
Student name whose package is minimum :  Pallavi

Student name whose company is Microsoft : ,Misal
```