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Assignment No 1a :

```
f1 = open("/content/drive/MyDrive/Colab Notebooks/file1.csv", 'r')
f2 = open("/content/drive/MyDrive/Colab Notebooks/file2.csv", 'r')
f3 = open("/content/drive/MyDrive/Colab Notebooks/file3.csv", 'w')

contents1 = f1.read()
contents2 = f2.read()
print(contents1)
print(contents2)
nm = []
sal = []
lines1 = contents1.split("\n")
lines2 = contents2.split("\n")

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])
sal.append(int(words2[2]))
print(l1)

f1.close()
f2.close()
f3.close()

print(nm)
print(sal)
```

OUTPUT :

```
101, Viraj
102, Raj
103, Raviraj
104, Bajaj
105, Yuvraj

101, CISCO, 700000
102, TCS, 2400000
103, INFOSYS, 800000
104, GOOGLE, 1000000
105, MICROSOFT, 2000000
101, Viraj, CISCO, 700000

102, Raj, TCS, 2400000

103, Raviraj, INFOSYS, 800000

104, Bajaj, GOOGLE, 1000000

105, Yuvraj, MICROSOFT, 2000000

['Viraj', 'Raj', 'Raviraj', 'Bajaj', 'Yuvraj']
[700000, 2400000, 800000, 1000000, 2000000]
```

Assignment 1b :

```
f=open("/content/drive/MyDrive/Colab Notebooks/file3.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', 'Viraj', 'CISCO', '700000']  
['102', 'Raj', 'TCS', '2400000']  
['103', 'Raviraj', 'INFOSYS', '800000']  
['104', 'Bajaj', 'GOOGLE', '1000000']  
['105', 'Yuvraj', 'MICROSOFT', '2000000']
```

Student IDs [101, 102, 103, 104, 105]

Student Names ['Viraj', 'Raj', 'Raviraj', 'Bajaj', 'Yuvraj']

Student Company ['CISCO', 'TCS', 'INFOSYS', 'GOOGLE', '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 : Raj

Student name whose company is Google : ,

Student name whose package is 2400000 : Raj

Student name whose package is minimum : Viraj

Student name whose company is Microsoft : ,

Student name whose package is 2000000 : Yuvraj