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### Assignment 1a-

#### Code-

```
f1 = open("/content/drive/MyDrive/Stud.csv", 'r')
f2 = open("/content/drive/MyDrive/placement.csv", 'r')
f3 = open("/content/drive/MyDrive/stud_details.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(",")

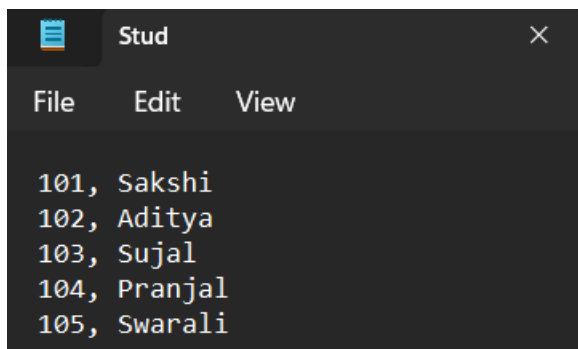
    for l2 in lines2:
        words2 = l2.split(",")
        if(words1[0] == words2[0]):
            l1 = l1 + "," + words2[1] + "," + words2[2] + "\n"
            f3.write(l1)

            nm.append(words1[1])
            sal.append(int(words2[2]))
            print(l1)

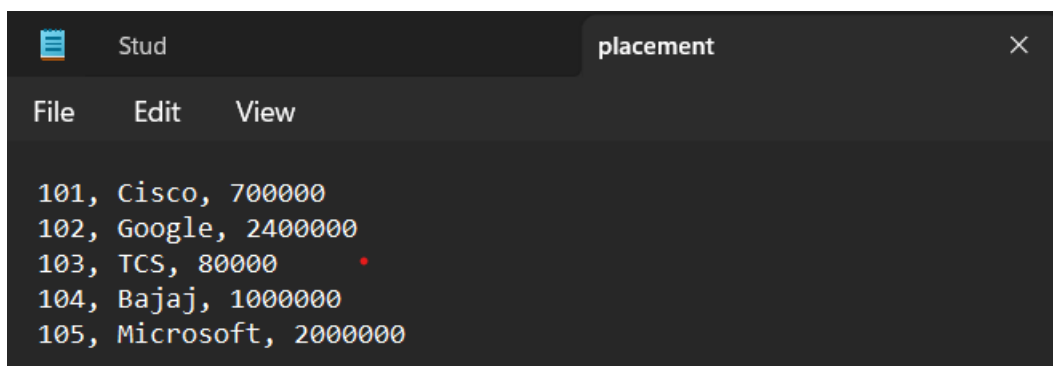
f1.close()
f2.close()
f3.close()

print(nm)
print(sal)
```

## CSV Files-



```
File Edit View
101, Sakshi
102, Aditya
103, Sujal
104, Pranjal
105, Swarali
```



```
File Edit View placement
101, Cisco, 700000
102, Google, 2400000
103, TCS, 80000
104, Bajaj, 1000000
105, Microsoft, 2000000
```

## Output-

```
101, Sakshi
102, Aditya
103, Sujal
104, Pranjal
105, Swarali
101, Cisco, 700000
102, Google, 2400000
103, TCS, 80000
104, Bajaj, 1000000
105, Microsoft, 2000000
101, Sakshi, Cisco, 700000

102, Aditya, Google, 2400000

103, Sujal, TCS, 80000

104, Pranjal, Bajaj, 1000000

105, Swarali, Microsoft, 2000000

[' Sakshi', ' Aditya', ' Sujal', ' Pranjal', ' Swarali']
[700000, 2400000, 80000, 1000000, 2000000]
```

# Assignment 1b-

## Code-

```
f=open("/content/drive/MyDrive/stud_details.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', ' Sakshi', ' Cisco', ' 700000']
   ['102', ' Aditya', ' Google', ' 2400000']
   ['103', ' Sujal', ' TCS', ' 80000']
   ['104', ' Pranjal', ' Bajaj', ' 1000000']
   ['105', ' Swarali', ' Microsoft', ' 2000000']

Student IDs [101, 102, 103, 104, 105]
Student Names [' Sakshi', ' Aditya', ' Sujal', ' Pranjal', ' Swarali']
Student Company [' Cisco', ' Google', ' TCS', ' Bajaj', ' Microsoft']
Student Package [700000, 2400000, 80000, 1000000, 2000000]

Maximum Package : 2400000
Minimum Package : 80000
Average Package : 1236000.0
Total Package : 6180000

Student name whose package is maximum : Aditya
Student name whose company is Google : ,
Student name whose package is 2400000 : Aditya
Student name whose package is minimum : Sujal
Student name whose company is Microsoft : ,
Student name whose package is 2000000 : Swarali
```