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Batch – F(3)

Assignment 1a

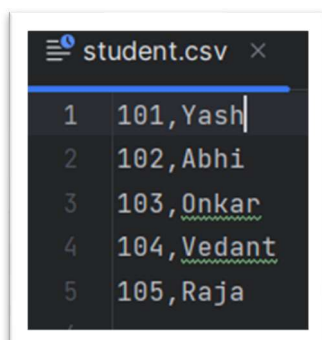
```
f1=open("student.csv","r")
f2=open("placement.csv","r")
f3=open("student_detail.csv","w")
contents1=f1.read()
contents2=f2.read() print(contents1)
print(contents2)nm=[]
package=[]
lines1=contents1.split("\n")
lines2=contents2.split("\n")
lines1.pop()
lines2.pop()

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)

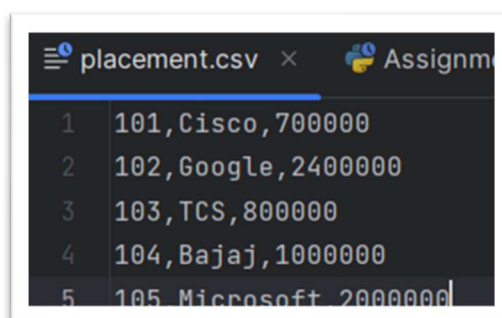
nm.append(words1[1]) package.append(int(words2[2]))

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

.csv file



1	101,Yash
2	102,Abhi
3	103,Onkar
4	104,Vedant
5	105,Raja



1	101,Cisco,700000
2	102,Google,2400000
3	103,TCS,800000
4	104,Bajaj,1000000
5	105,Microsoft,2000000

OUTPUT :

```
101,Yash
102,Abhi
103,Onkar
104,Vedant
105,Raja

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

102,Abhi,Google,2400000

103,Onkar,TCS,800000

104,Vedant,Bajaj,1000000

105,Raja,Microsoft,2000000

['Yash', 'Abhi', 'Onkar', 'Vedant', 'Raja']
[700000, 2400000, 800000, 1000000, 2000000]

Process finished with exit code 0
```

Assignment 1b

```
f=open("student_detail.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', 'Yash', 'Cisco', '700000']
['102', 'Abhi', 'Google', '2400000']
['103', 'Onkar', 'TCS', '800000']
['104', 'Vedant', 'Bajaj', '1000000']
['105', 'Raja', 'Microsoft', '2000000']

Student IDs [101, 102, 103, 104, 105]
Student Names ['Yash', 'Abhi', 'Onkar', 'Vedant', 'Raja']
Student Company ['Cisco', 'Google', 'TCS', 'Bajaj', '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 : Abhi
Student name whose company is Google : ,Abhi
Student name whose package is 2400000 : Abhi
Student name whose package is minimum : Yash
Student name whose company is Microsoft : ,Raja
Student name whose package is 2000000 : Raja

Process finished with exit code 0
```