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## Practical Assignment 1a

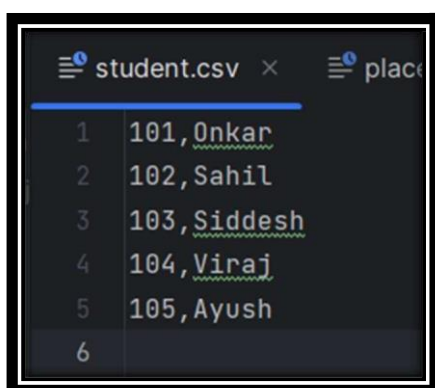
```
f1=open("student.csv","r")
f2=open("placement.csv","r")
f3=open("student_detail.csv","w")
contents1=f1.read()
contents2=f2.read()
print(contents1)
print(contents2)
nm=[]
package=[]
lines1=contents1.split("\n")
lines2=contents2.split("\n")
lines1.pop()
lines2.pop()

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)

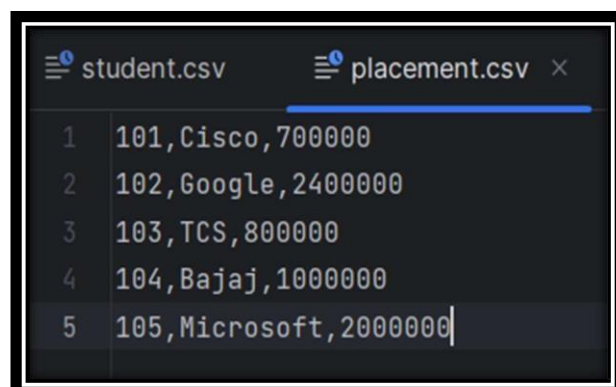
        nm.append(words1[1])
        package.append(int(words2[2]))

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

### .csv file



student.csv	placement.csv
1	101, Onkar
2	102, Sahil
3	103, Siddesh
4	104, Viraj
5	105, Ayush
6	



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

## OUTPUT :

File - Assignment\_1a

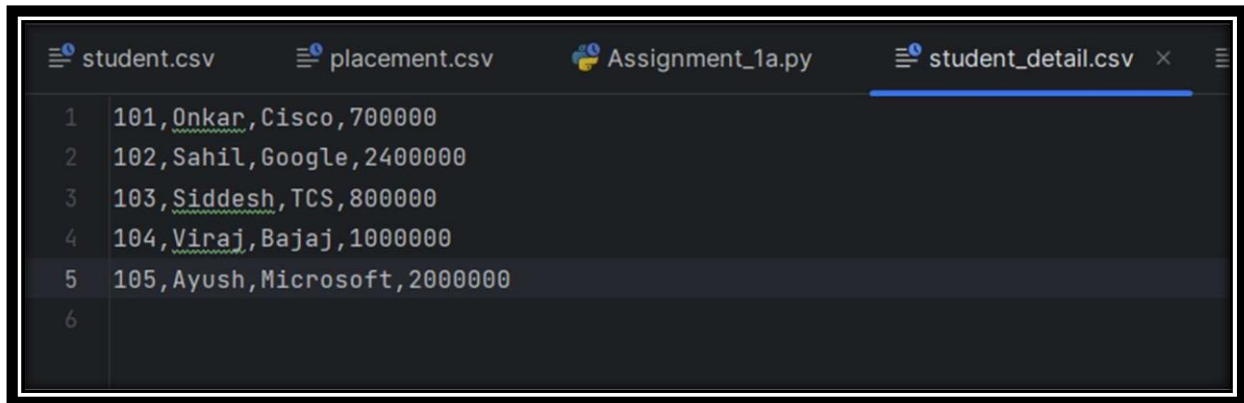
```
1 C:\Users\okatk\PycharmProjects\helloworld\venv\  
  Scripts\python.exe C:\Users\okatk\AppData\Roaming\  
  JetBrains\PyCharmCE2023.1\scratches\Assignment_1a.py  
2 101,Onkar  
3 102,Sahil  
4 103,Siddesh  
5 104,Viraj  
6 105,Ayush  
7  
8 101,Cisco,700000  
9 102,Google,2400000  
10 103,TCS,800000  
11 104,Bajaj,1000000  
12 105,Microsoft,2000000  
13 101,Onkar,Cisco,700000  
14  
15 102,Sahil,Google,2400000  
16  
17 103,Siddesh,TCS,800000  
18  
19 104,Viraj,Bajaj,1000000  
20  
21 105,Ayush,Microsoft,2000000  
22  
23 ['Onkar', 'Sahil', 'Siddesh', 'Viraj', 'Ayush']  
24 [700000, 2400000, 800000, 1000000, 2000000]  
25  
26 Process finished with exit code 0  
27
```

# Assignment 1b

```
1 f=open("student_detail.csv","r")
2 contents=f.read()
3 lines=contents.split("\n")
4 lines.pop()
5 sid=[]; nm=[]; company=[]; package=[]
6 for l in lines:
7     words = l.split(",")
8     print(words)
9     sid.append(int(words[0]))
10    nm.append(words[1])
11    company.append(words[2])
12    package.append(int(words[3]))
13 print("\nStudent IDs",sid)
14 print("Student Names",nm)
15 print("Student Company",company)
16 print("Student Package",package)
17
18 #Max Package
19 print("\nMaximum Package :",max(package))
20 #Min Package
21 print("Minimum Package :",min(package))
22 #Average Package
23 print("Average Package :",sum(package)/len(package))
24 #Total Package
25 print("Total Package :",sum(package))
26
27 #Student whose package is max
28 print("\nStudent name whose package is maximum :",nm[package.index(max(package))])
29 #Student whose company is Google
30 print("Student name whose company is Google :",end=",")
```

```
27 #Student whose package is max
28 print("\nStudent name whose package is maximum :",nm[package.index(max(package))])
29 #Student whose company is Google
30 print("Student name whose company is Google :",end=",")
31 for i in range(len(company)):
32     if company[i] == "Google":
33         print(nm[i], end=" ")
34
35 #Student whose package is 2400000
36 print("\nStudent name whose package is 2400000 :",nm[package.index(2400000)])
37 #Student whose package is min
38 print("Student name whose package is minimum :",nm[package.index(min(package))])
39
40 #Student whose company is Microsoft
41 print("Student name whose company is Microsoft :",end=",")
42 for i in range(len(company)):
43     if company[i] == "Microsoft":
44         print(nm[i], end=" ")
45
46 f=0
47 #Student whose package is 2000000
48 for i in range(len(package)):
49     if package[i] == 2000000:
50         print("\nStudent name whose package is 2000000 :", nm[i])
51         f = 1
52
53 if(f==0):
54     print("No any Student present whose package is 2000000")
```

## .csv file



## OUTPUT :

```
File - Assignment_1b
1 C:\Users\okatk\PycharmProjects\helloworld\venv\
  Scripts\python.exe C:\Users\okatk\AppData\Roaming\
  JetBrains\PyCharmCE2023.1\scratches\Assignment_1b.py
2 ['101', 'Onkar', 'Cisco', '700000']
3 ['102', 'Sahil', 'Google', '2400000']
4 ['103', 'Siddesh', 'TCS', '800000']
5 ['104', 'Viraj', 'Bajaj', '1000000']
6 ['105', 'Ayush', 'Microsoft', '2000000']
7
8 Student IDs [101, 102, 103, 104, 105]
9 Student Names ['Onkar', 'Sahil', 'Siddesh', 'Viraj', 'Ayush']
10 Student Company ['Cisco', 'Google', 'TCS', 'Bajaj', 'Microsoft']
11 Student Package [700000, 2400000, 800000, 1000000, 2000000]
12
13 Maximum Package : 2400000
14 Minimum Package : 700000
15 Average Package : 1380000.0
16 Total Package : 6900000
17
18 Student name whose package is maximum : Sahil
19 Student name whose company is Google : ,Sahil
20 Student name whose package is 2400000 : Sahil
21 Student name whose package is minimum : Onkar
22 Student name whose company is Microsoft : ,Ayush
23 Student name whose package is 2000000 : Ayush
24
25 Process finished with exit code 0
26
```