

Name : Abhishek Deshmukh

PRN : 202201090086

Roll No : 612

Division : F1

Assignment 1

Code:

```
#Code1 f1=open("/content/sample_data/student.csv","r")
f2=open("/content/sample_data/placement.csv","r")
f3=open("/content/sample_data/stud_placement.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()
```

```

#Code2
f=open("/content/sample_data/stud_placement.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,Rohan
   102,Mayur
   103,Pratik
   104,Omkar
   105,Roshan

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

101,Rohan,Cisco,700000

102,Mayur,Google,2400000

103,Pratik,TCS,800000

104,Omkar,Bajaj,1000000

105,Roshan,Microsoft,2000000
```

```
['101', 'Rohan', 'Cisco', '700000']
['102', 'Mayur', 'Google', '2400000']
['103', 'Pratik', 'TCS', '800000']
['104', 'Omkar', 'Bajaj', '1000000']
['105', 'Roshan', 'Microsoft', '2000000']

Student IDs [101, 102, 103, 104, 105]
Student Names ['Rohan', 'Mayur', 'Pratik', 'Omkar', 'Roshan']
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 : Mayur
Student name whose company is Google : ,Mayur
Student name whose package is 2400000 : Mayur
Student name whose package is minimum : Rohan
Student name whose company is Microsoft : ,Roshan
Student name whose package is 2000000 : Roshan
```