Assignment 1

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Division : H2

#Code1

```python
f1=open("student.csv","r")

f2=open("placement.csv","r")

f3=open("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

```python
f=open("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:

501, pavan

502, vaibhav

503, rohit

504, Omkar

505, Roshan

501, Cisco, 700000

502, Google, 2400000

503, TCS, 800000

504, Bajaj, 1000000

505,Microsoft, 2000000

501, Rohan, Cisco, 700000

502, vaibhav , Google, 2400000

503, rohit, TCS, 800000

504, Omkar, Bajaj, 1000000

505, Roshan, Microsoft, 2000000

['501', 'pavan', 'Cisco', '700000"]

['502', 'vaibhav', 'Google', '2400000"]

['503', 'rohit', 'TCS', '800000"]

['504', 'Omkar', 'Bajaj', '1000000"]

['505', 'Roshan', 'Microsoft', '2000000"]

Student IDs [801, 802, 803, 804, 805]

Student Names ['pavan', 'vaibhav', 'rohit', '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 : vaibhav

Student name whose company is Google : vaibhav

Student name whose package is 2400000: vaibhav

Student name whose package is minimum : Rohan

Student name whose company is Microsoft : Roshan

Student name whose package is 2000000 : Roshan