Assignment 1

Name: Manoj Ramrao Pandit

PRN: 202201060026

Roll No: 647

Division: F(F3)

CODE

```
#Assignment 1.1

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

```
#Assignment 2
f=open("/content/sample_data/Mixed_Placement+student.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(1900000)])

#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")
```

Input Files

student.csv file:

101,Manoj

102,Amol

103,Ashok

104,Yash

105,Vedant

Placement.csv file:

101,Cisco,700000

102,Google,2400000

103,TCS,800000

104,Bajaj,1000000

105,Microsoft,2000000

Output:

101,MANOJ
102,AMOL
103,ASHOK
104,YASH
105,VEDANT

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

101,MANOJ,Cisco,700000
102,AMOL,Google,2400000
103,ASHOK,Tcs,800000
104,YASH,Bajaj,1000000

['101', 'MANOJ', 'Cisco', '700000']
['102', 'AMOL', 'Google', '2400000']
['103', 'ASHOK', 'Tcs', '800000']
['104', 'YASH', 'Bajaj', '1000000']

Student IDs [101, 102, 103, 104]
Student Names ['MANOJ', 'AMOL', 'ASHOK', 'YASH']
Student Company ['Cisco', 'Google', 'Tcs', 'Bajaj']
Student Package [700000, 2400000, 800000, 1000000]

Maximum Package : 2400000
Minimum Package : 70000
Average Package : 1225000.0
Total Package : 4900000

Student name whose package is maximum : AMOL

Student name whose company is Google : ,AMOL

Student name whose package is 2400000 : AMOL

Student name whose package is minimum : MANOJ

Student name whose company is Microsoft : ,No any Student present whose package is 2000000