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Code:

```
f1=open("/content/sample_data/stu.csv","r")
f2=open("/content/sample_data/placement.csv","r")
f3=open("/content/sample_data/stu_record.csv","w")
contents1=f1.read()
contents2=f2.read()
print(contents1)
print()
print(contents2)
print()
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()
```

Output

```
101,sarang
102,avinash
103,subodh
104,lakhan
105,varad

101,TATA,700000
102,Bajaj,2400000
103,Google,800000
104,Microsoft,1000000
105,Infosys,2000000

101,sarang,TATA,700000

102,avinash,Bajaj,2400000

103,subodh,Google,800000

104,lakhan,Microsoft,1000000

105,varad,Infosys,2000000
```

Code 2

```
f=open("/content/sample_data/stu_record.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 TATA
print("Student name whose company is TATA : ",end=",")
for i in range(len(company)):
  if company[i]=="TATA":
    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 Google
print("Student name whose company is Google : ",end=",")
for i in range(len(company)):
   if company[i]=="Google":
    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', 'sarang', 'TATA', '700000']
['102', 'avinash', 'Bajaj', '2400000']
['103', 'subodh', 'Google', '800000']
['104', 'lakhan', 'Microsoft', '1000000']
['105', 'varad', 'Infosys', '2000000']

Student IDs [101, 102, 103, 104, 105]
Student Names ['sarang', 'avinash', 'subodh', 'lakhan', 'varad']
Student Company ['TATA', 'Bajaj', 'Google', 'Microsoft', 'Infosys']
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 : avinash
Student name whose company is TATA : ,sarang
Student name whose package is 2400000 : avinash
Student name whose package is minimum : sarang
Student name whose company is Google : ,subodh
Student name whose package is 2000000 :  varad
```