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Assignment 1

Code :

```
[3]  #Code1
     f1 = open("/content/Stud.csv", "r")
     f2 = open("/content/placement.csv", "r")
     f3 = open("/content/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)
                 break
     f1.close()
     f2.close()
     f3.close()
```

OUPUT:

```
101, Yash
102, Om
103, Shyam
104, Shambhu
105, Onkar
101, Cisco, 700000
N102, Google, 2400000
103, TCS, 800000
104, Bajaj, 1000000
105, Microsoft, 2000000
101, Yash, Cisco, 700000

103, Shyam, TCS, 800000

104, Shambhu, Bajaj, 1000000
```

CODE 2 :

```
#Code2
f = open("/content/stud_placement.csv", "r")
contents = f.read()
lines = contents.split("\n")
lines.pop()
sid = []
nm = []
company = []
package = []
for l in lines:
    words = l.split(",")
    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(s) 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(s) 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 student present whose package is 2000000")
```

OUTPUT:

```
Student IDs [101, 102, 103, 104]
Student Names [' Yash', ' Om', ' Shyam', ' Shambhu']
Student Company [' Cisco', ' Google', ' TCS', ' Bajaj']
Student Package [700000, 2400000, 800000, 1000000]

Maximum Package: 2400000
Minimum Package: 700000
Average Package: 1225000.0
Total Package: 4900000

Student name whose package is maximum:  Om
Student name(s) whose company is Google:
Student name whose package is 2400000:  Om
Student name whose package is minimum:  Yash
Student name(s) whose company is Microsoft: No student present whose package is 2000000
```