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Assignment 1A:

```
f=open("/content/emp.csv","r")
contents = f.read()
lines = contents.split("\n")
eid=[]; nm=[]; desgn=[]; sal=[];
for l in lines:
  words=l.split(",")
  print(words)
  eid.append(int(words[0]))
  nm.append(words[1])
  desgn.append(words[2])
  sal.append(int(words[3]))
print("Employee IDs:",eid)
print("Employee Names:",nm)
print("Employee Designations:",desgn)
print("Employee Salary:",sal)

#Max Salary
print("Maximum Salary:",max(sal))

#Min Salary
print("Minimum Salary:",min(sal))

#Average Salary
print("Average Salary:",sum(sal)/len(sal))

#Total Salary
print("Total Salary:",sum(sal))

#Employee whose Salary is maximum
print("Employee Name whose salary is maximum:",nm[sal.index(max(sal))])

#Employee whose Designation is CEO
print("Employee Name whose designation is CEO:",end=" ")
for i in range(len(desgn)):
  if desgn[i]=="CEO" or desgn[i]=="CEO":
    print(nm[i],end=" ")

#Employee whose Salary is minimum
print("\nEmployee Name whose salary is minimum:",nm[sal.index(min(sal))])
```

```
#Employee whose Salary is 800000
print("Employee Name whose salary is 75000:",nm[sal.index(75000)])

#Employee whose Salary is 45000

f=0
for i in range(len(sal)):
  if(sal[i]==45000):
    print("\nEmployee Name whose salary is 45000:",nm[i])
    f=1
  if(f==0):
    print("\nNo Employee found with salary 45000",nm[i])
```

Output (Assignment 1A):

```
['1', 'Sanika', 'SrManager', '150000']
['2', 'Vikrant', 'Manager', '100000']
['3', 'Ram', 'SDE', '120000']
['4', 'Aditya', 'Engineer', '75000']
['5', 'Yash', 'CEO', '400000']
Employee IDs: [1, 2, 3, 4, 5]
Employee Names: ['Sanika', 'Vikrant', 'Ram', 'Aditya', 'Yash']
Employee Designations: ['SrManager', 'Manager', 'SDE', 'Engineer', 'CEO']
Employee Salary: [150000, 100000, 120000, 75000, 400000]
Maximum Salary: 400000
Minimum Salary: 75000
Average Salary: 169000.0
Total Salary: 845000
Employee Name whose salary is maximum: Yash
Employee Name whose designation is CEO: Yash
Employee Name whose salary is minimum: Aditya
Employee Name whose salary is 75000: Aditya

No Employee found with salary 45000 Sanika

No Employee found with salary 45000 Vikrant

No Employee found with salary 45000 Ram

No Employee found with salary 45000 Aditya

No Employee found with salary 45000 Yash
```

Assignment 1B :

```
f1=open("/content/City - Copy.csv","r")
f2=open("/content/Salary - Copy.csv","r")
f3=open("/content/Emp_sal.csv","w")
contents1=f1.read()
contents2=f2.read()
print(contents1)
print(contents2)
nm=[]
sal=[]

lines1=contents1.split("\n")
lines2=contents2.split("\n")
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])
      sal.append(int(words2[2]))
      print(l1)

f1.close()
f2.close()
f3.close()

print(nm)
print(sal)
```

Output (Assignment 1B):

```
1,Sanvi,Pune
2,Mrunmayee,Pune
3,Jayesh,Nashik
4,Gouri,Nashik
5,Parul,Mumbai
1,Manager,150000
2,Sr.Manager,250000
3,Supervisor,325000
4,Sr.Supervisor,400000
5,Engineer,75000
1,Sanvi,Pune,Manager,150000

2,Mrunmayee,Pune,Sr.Manager,250000

3,Jayesh,Nashik,Supervisor,325000

4,Gouri,Nashik,Sr.Supervisor,400000

5,Parul,Mumbai,Engineer,75000

['Sanvi', 'Mrunmayee', 'Jayesh', 'Gouri', 'Parul']
[150000, 250000, 325000, 400000, 75000]
```