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Subject : Assignment on EDS

Assignment 1A :

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f = open("/content/sample_data/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 Designation:", 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
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print("Totl Salary:",sum(sal))

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

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

#Employee whose Salary is 95000
print("Employee Name whose Salary is 95000
:",nm[sal.index(95000)])

#Employee whose Salary is minimum
print("Employee Name whose Salary is
minimum",nm[sal.index(min(sal))])

#Employee whose Designation is Sr Manager
print("Employee Name whose Designation is Sr
Manager",end=",")
for i in range(len(design)):
    if design[i]== "Sr Manager" or design[i]== "Sr
manager":
        print(nm[i], end=" ")

f = 0
#Employee whose Salary is 45000
for i in range(len(sal)):
    if sal[i]== 45000:
        print("\n Employee Name whose Salary is
45000:",nm[i])
        f = 1

if(f == 0):
    print("\n No any Employee whose Salary is
45000:",nm[i])

```

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['1', 'Sanvi', 'Manager', '100000']
['2', 'Mrunmayee', 'Sr Manager', '95000']
['3', 'Jayesh', 'Managr', '80000']
['4', 'Gouri', ' Sr Manager', '95000']
['5', 'Mahesh', 'Supervisor', '500000']
Employee IDs: [1, 2, 3, 4, 5]
Employee Names: ['Sanvi', 'Mrunmayee', 'Jayesh', 'Gouri', 'Mahesh']
Employee Designation: ['Manager', 'Sr Manager', 'Managr', ' Sr Manager', 'Supervisor']
Employee Salary: [100000, 95000, 80000, 95000, 500000]
Maximum Salary: 500000
Minimum Salary: 80000
Average Salary: 174000.0
Totl Salary: 870000
Employee Name whose Salary is maximum Mahesh
Employee Name whose Designation is Manager,Sanvi Employee Name whose Salary is 95000 : Mrunmayee
Employee Name whose Salary is minimum Jayesh
Employee Name whose Designation is Sr Manager,Mrunmayee
No any Employee whose Salary is 45000: Mahesh

```

Assignment 1B :

```

f1=open("/content/place.csv","r")
f2=open("/content/student.csv","r")
f3=open("/content/students_data.csv","r")
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]))

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

```

```

1,JP.Morgon,10LPA
2,Amazon,22LPA
3,GoldmanSachs,12LPA
4,Flipkart,10LPA
5,Hyundai,9LPA
1,Yash
2,Sahil
3,Prathamesh
4,Onkar
5,Bhaves

```