Practical No. 1

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Take/Prepare any text files for any real-life application. For Ex. “Stud.txt”, “Placement.csv” and “Result. Csv” files for result Analysis. Combine into “StudentDetails.csv”. Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it

#FIND STATISTICAL ANALYSIS OF EMPLOYEE RECORDS

```
f=open("/content/sample_data/emp1.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("maximum salary:",min(sal))
#AVERAGE SALARY
print("average salary:",sum(sal)/len(sal))
#TOTAL SALARY
print("total salary:",sum(sal))

#EMPLOYESS 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(desgn)):
if desgn[i] == "manager " or desgn[i] == "manager":
print(nm[i],end= " ")

#EMPLOYEE WHOSE SALARY IS 100000
print("Employee name whose salary is 100000 : ",nm[sal.index(100000)])

#EMPLOYEE WHOSE DESGINATION IS SR.MANAGER
print("Employee name whose designation is Sr.manager",end=",")
for i in range(len(desgn)):
if desgn[i] == "SR.MANAGER " or desgn[i] == "MANAGER":
print(nm[i],end= " ")

f = 0
#EMPLOYEE WHOSE SALARY IS 95000
for i in range(len(sal)):
if (sal[i] == 95000):
print("\nEmployee name whose salary is 95000:",nm[i])
```

```
f=1
if(f == 0):
print("\nNO any employee present whose salary is 95000:",nm[i])
```

Output:

```
['1', 'SOHAM', 'MANAGER', '100000']
['2', 'RUTUJA', 'SR.MANAGER', '95000']
['3', 'HIMANI', 'MANAGER', '8000']
['4', 'GARGI', 'SR.MANAGER', '95000']
['5', 'VEDANT', 'SUPERVISOR', '500000']
Employee IDs: [1, 2, 3, 4, 5]
Employee Names: ['SOHAM', 'RUTUJA', 'HIMANI', 'GARGII', 'MOHIT']
Employee DEsignations: ['MANAGER', 'SR.MANAGER', 'MANAGER', 'SR.MANAGER',
'SUPERVISOR']
Employee Salary: [100000, 95000, 8000, 95000, 500000]
maximum salary: 500000
maximum salary: 8000
average salary: 159600.0
total salary: 798000
Employee name whose salary is maximum MOHIT
Employee name whose designation is manager Employee name whose salary is 100000 :
SANVI
Employee name whose designation is Sr.manager,SOHAM , MAHESH
Employee name whose salary is 95000: GARGI

Employee name whose salary is 500000: MOHIT
```