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**EDS Assignment 1**

**Problem statement: Take/Prepare any text files for any real-life application. For Ex. “emp.txt”, “salary.csv” and “job title. csv” files for result Analysis. Combine into “EmployeeID.csv”. Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it.**

**#Source code:**

import csv

#Opening the csv files

f1=open('/content/employeeID(278).csv','r')

f2=open('/content/employeeID(278)(1).csv','r')

f3=open('/content/merge(278).csv','w')

#Reading the csv files

A1=list(csv.reader(f1,delimiter=','))

A2=list(csv.reader(f2,delimiter=','))

#Printing the file contents

print('The Employee file contents are:',A1)

print('\nThe Employee experience file contents are:',A2)

#Merging two files into one

A3=[]

for i in range(len(A2)):

  A3.append(A1[i]+A2[i])

  cf3=csv.writer(f3)

  cf3.writerows(A3)

print('\nThe merged data is:',A3)

#Extracting and printing salary data

sal=[]

for i in range(1,len(A1)):

  sal.append(int(A3[i][4]))

print('\nThe salary data is:')

for i in sal:

  print('\n',i)

#Finding max and min salary

print('\nThe maximum salary is:',max(sal))

print('\nThe minimum salary is:',min(sal))

#Average salary

sum=0

for i in sal:

  sum=sum+i

print('\nThe average salary is:',sum/len(sal))

#Closing the files

f1.close()

f2.close()

f3.close()

**#Output:**

The Employee file contents are: [['ID', 'Name', 'Gender', 'Age', 'Salary'], ['1', 'Chinmay', 'Male', '19', '10000000'], ['2', 'Hrishikesh', 'Male', '19', '700000'], ['3', 'Mohit', 'Male', '19', '500000'], ['4', 'Vinay ', 'Male', '19', '300000'], ['5', 'Manas', 'Male', '19', '400000'], ['6', 'Darshan', 'Male', '19', '250000'], ['7', 'Sarthak', 'Male', '19', '1000000'], ['8', 'Netra', 'Female', '19', '100000'], ['9', 'Vaishnavi', 'Female', '19', '200000'], ['10', 'Shruti', 'Female', '19', '300000']]

The Employee experience file contents are: [['Experience', 'Designation'], ['7', 'Founder'], ['7', 'CEO'], ['7', 'Employee'], ['7', 'Manager'], ['7', 'Admin'], ['7', 'Employee'], ['7', 'CFO'], ['7', 'Employee'], ['7', 'Employee'], ['7', 'KAM']]

The merged data is: [['ID', 'Name', 'Gender', 'Age', 'Salary', 'Experience', 'Designation'], ['1', 'Chinmay', 'Male', '19', '10000000', '7', 'Founder'], ['2', 'Hrishikesh', 'Male', '19', '700000', '7', 'CEO'], ['3', 'Mohit', 'Male', '19', '500000', '7', 'Employee'], ['4', 'Vinay ', 'Male', '19', '300000', '7', 'Manager'], ['5', 'Manas', 'Male', '19', '400000', '7', 'Admin'], ['6', 'Darshan', 'Male', '19', '250000', '7', 'Employee'], ['7', 'Sarthak', 'Male', '19', '1000000', '7', 'CFO'], ['8', 'Netra', 'Female', '19', '100000', '7', 'Employee'], ['9', 'Vaishnavi', 'Female', '19', '200000', '7', 'Employee'], ['10', 'Shruti', 'Female', '19', '300000', '7', 'KAM']]

The salary data is:

10000000

700000

500000

300000

400000

250000

1000000

100000

200000

300000

The maximum salary is: 10000000

The minimum salary is: 100000

The average salary is: 1375000.0