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**ASSIGNMENT-1**

**G3 BATCH ROLL NO:758**

**PROBLEM STATEMENT:**

**Take/Prepare any text les for any real-life application. For Ex. “Stud.txt”,**

**“Placement.csv” and “Result. csv” les for result Analysis. Combine into**

**“StudentDetails.csv”. Perform all statistical analysis (Average, Max, Min, Count, Sum, Percentage) on it**

**LINK:**

[**https://colab.research.google.com/drive/18TSkq5wO-Yd6CjlBRexDenF\_1Qd WjN05?usp=sharing**](https://colab.research.google.com/drive/18TSkq5wO-Yd6CjlBRexDenF_1QdWjN05?usp=sharing)

**CODE:** import csv f1=open("/content/STUDENTDETAILS.csv",'r') f2=open("/content/PLACEMENT.csv",'r') f3=open("/content/GRADES111.csv",'r') f4=open("/content/FINAL.csv",'w')

#reading the les

data1=list(csv.reader(f1, delimiter=',')) data2=list(csv.reader(f2, delimiter=',')) data3=list(csv.reader(f3, delimiter=','))

#printing the le contents print("THE STUDENT DETAIL FILE CONTENTS ARE:",data1,"\n") print("THE PLACEMENT FILE DETAILS ARE:",data2,"\n") print("THE GRADES FILE DETAILS ARE:",data3,"\n")

#merging les

data4=[] for i in range(len(data1)): data4.append(data1[i]+data2[i]+data3[i]) cf4=csv.writer(f4) cf4.writerows(data4) print ("\n\nThe merged le is:",data4) #extracting and printing salary data

SALARY=[] for i in range(1,len(data2)):

SALARY.append(int(data2[i][2])) print("\nThe salary data is:") for i in SALARY: print(i)

#extracting and printing grades data

GRADES=[]

for i in range(1,len(data3)):

GRADES.append(int(data3[i][1])) print("\nThe salary data is:") for i in SALARY: print(i)

#max and min salary and salary print("\nThe max salary is:",max(SALARY)) print("\nThe min salary is:",min(SALARY)) print("\nThe highest grade is:",max(GRADES)) print("\nThe lowest grade is:",min(GRADES))

#avg salary sum=0 for i in SALARY:

sum=sum+i

print("The average salary is:",sum/len(SALARY))

#function to display top 5 salaries in the le def top5sal(data4): data4.sort(key=lambda x: x[5], reverse=True) print("\nTop 5 salary records are:") for i in range(5):

print(data4[i+1]) top5sal(data4)#calling the function

#closing the le

f1.close()

f2.close() f3.close() f4.close()

**OUTPUT:**

