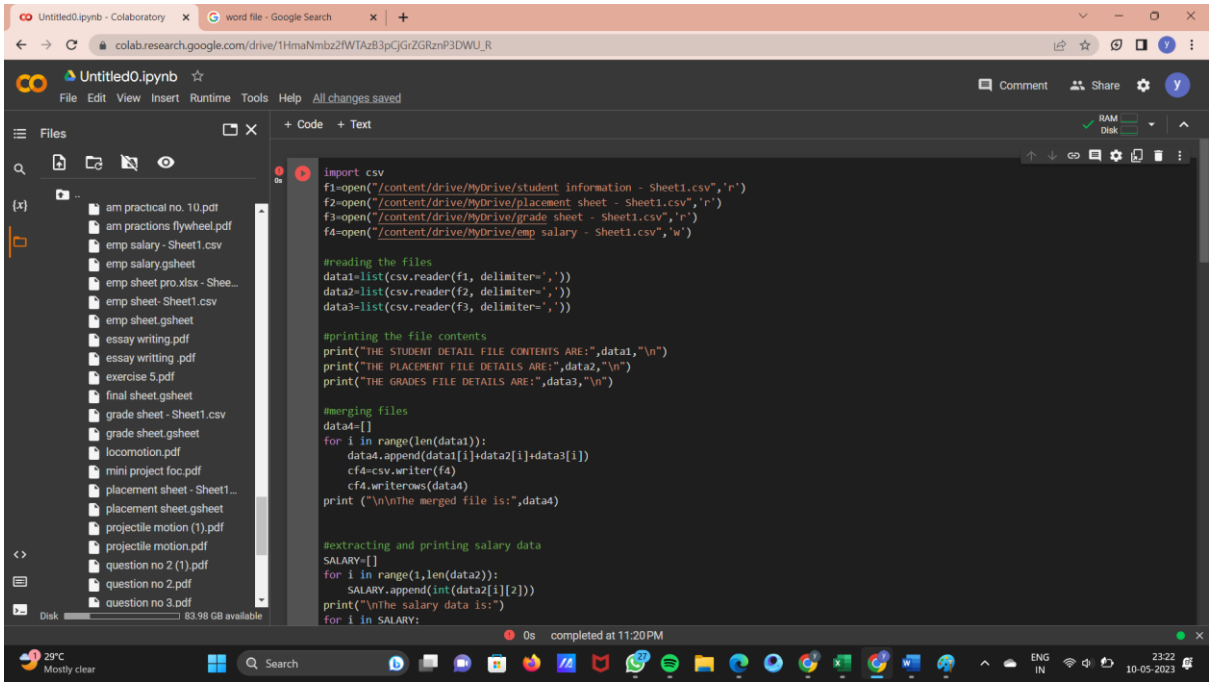
ASSIGNMENT-1

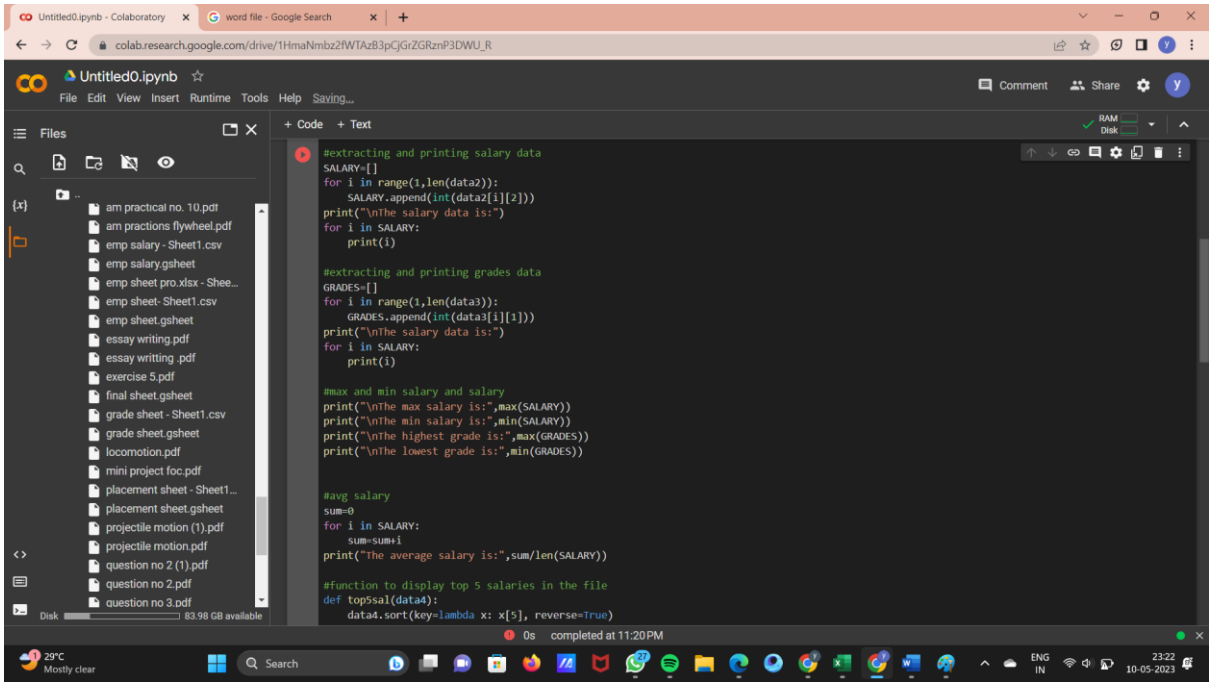
G4 BATCH ROLL NO 768

PROBLEM STATEMENT: 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.

LINK-
https://colab.research.google.com/drive/1HmaNmbz2fWTAzB3pCjGrZGRznP3DWU_R?usp=sharing

INPUT-

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#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 file
def top5sal(data4):
data4.sort(key=lambda x: x[5], reverse=True)
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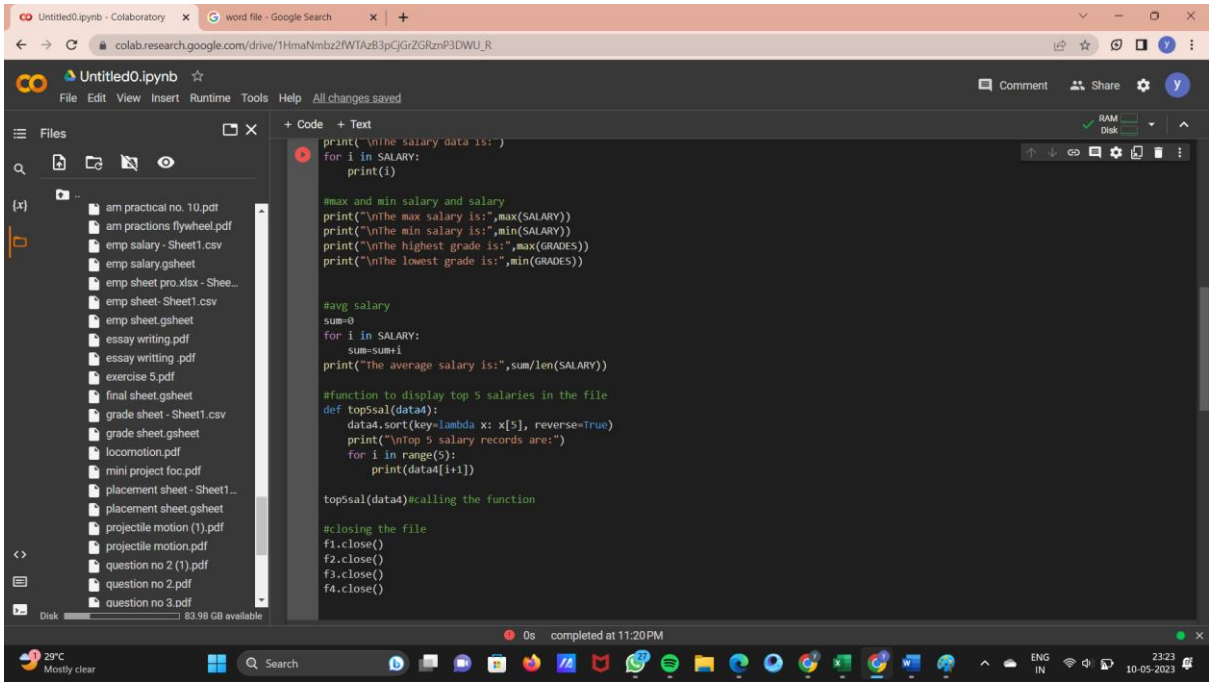
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#avg salary
sum=0
for i in SALARY:
sum=sum+i
print("The average salary is:",sum/len(SALARY))
#function to display top 5 salaries in the file
def top5sal(data4):
data4.sort(key=lambda x: x[5], reverse=True)
print("\nTop 5 salary records are:")
for i in range(5):
print(data4[i+1])
top5sal(data4)#calling the function
#closing the file
f1.close()
f2.close()
f3.close()
f4.close()
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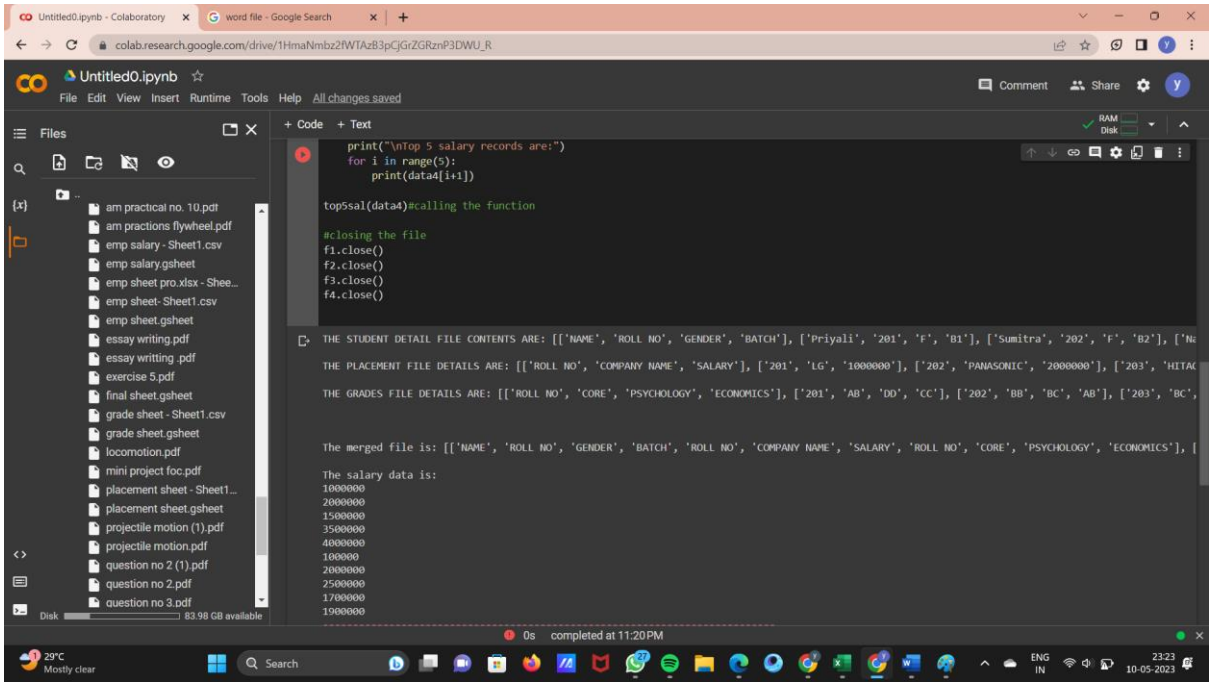
OUTPUT-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print("\nTop 5 salary records are:")
for i in range(5):
print(data4[i+1])
top5sal(data4)#calling the function
#closing the file
f1.close()
f2.close()
f3.close()
f4.close()
THE STUDENT DETAIL FILE CONTENTS ARE: [['NAME', 'ROLL NO', 'GENDER', 'BATCH'], ['Priyali', '201', 'F', 'B1'], ['Sumitra', '202', 'F', 'B2'], ['Na
THE PLACEMENT FILE DETAILS ARE: [['ROLL NO', 'COMPANY NAME', 'SALARY'], ['201', 'LG', '1000000'], ['202', 'PANASONIC', '2000000'], ['203', 'HITAC
THE GRADES FILE DETAILS ARE: [['ROLL NO', 'CORE', 'PSYCHOLOGY', 'ECONOMICS'], ['201', 'AB', 'DD', 'CC'], ['202', 'BB', 'BC', 'AB'], ['203', 'BC',
The merged file is: [['NAME', 'ROLL NO', 'GENDER', 'BATCH', 'ROLL NO', 'COMPANY NAME', 'SALARY', 'ROLL NO', 'CORE', 'PSYCHOLOGY', 'ECONOMICS'], [
The salary data is:
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2000000
1500000
3500000
4000000
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