ASSIGNMENT NO-1 (EDS)

NAME : YASH RAJESH KATKHADE

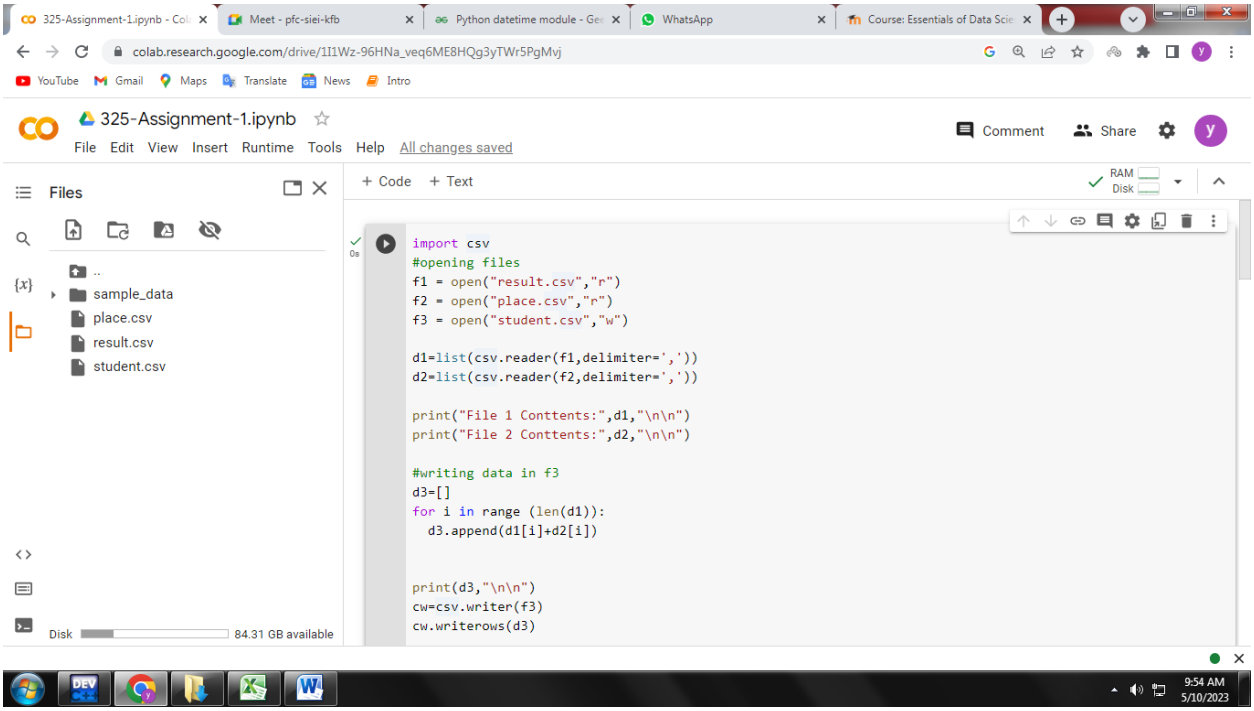
ROLL NO: 325

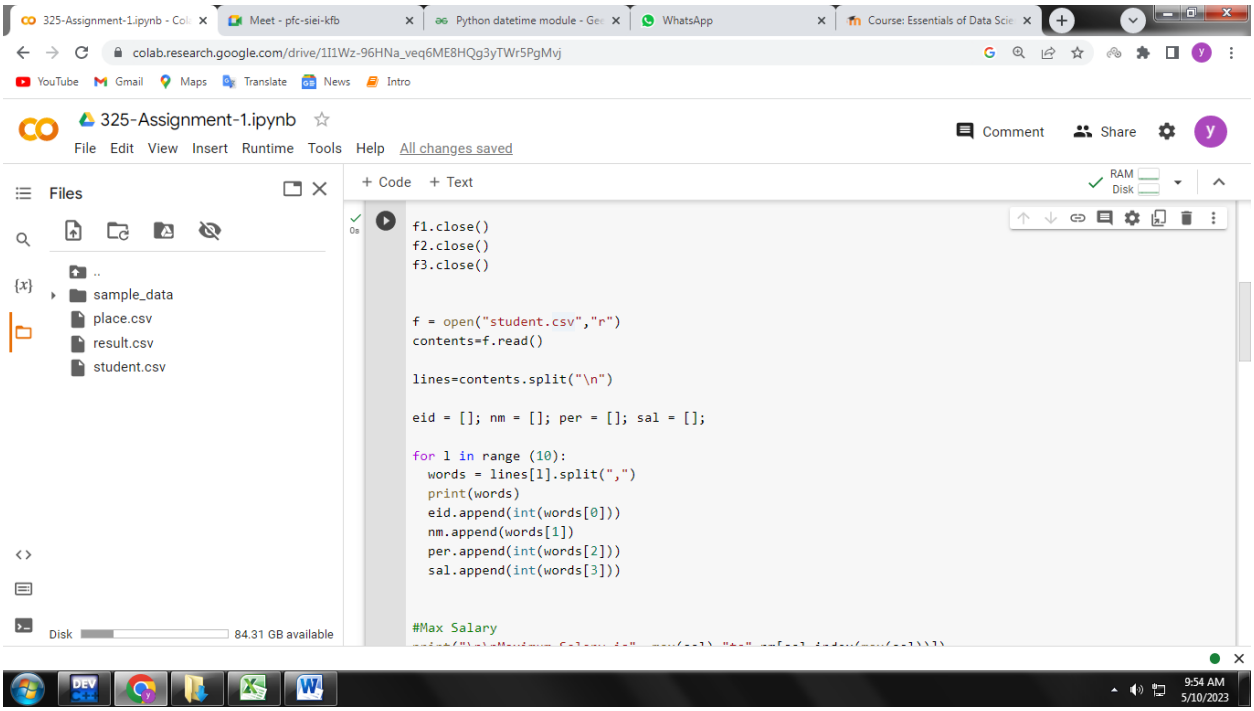
PRN NO. : 202201060046

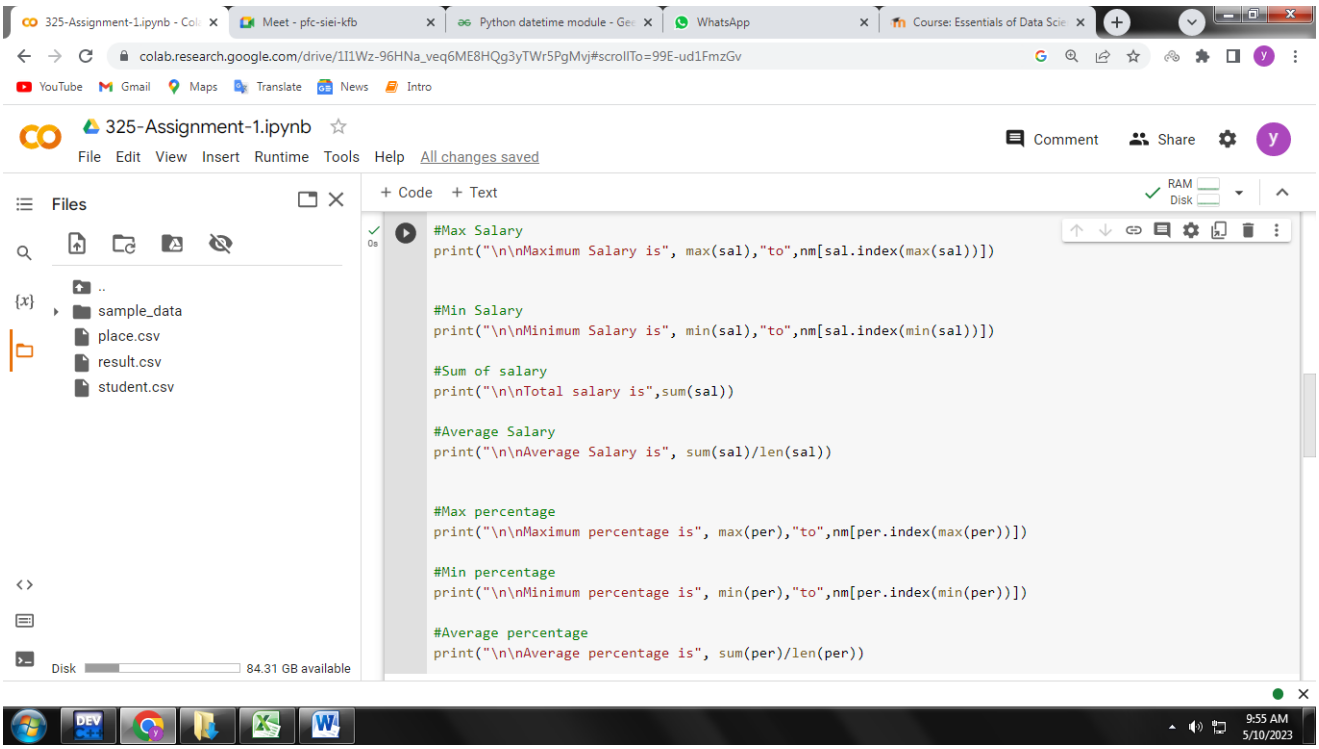
BATCH : C2

AIM:- **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**

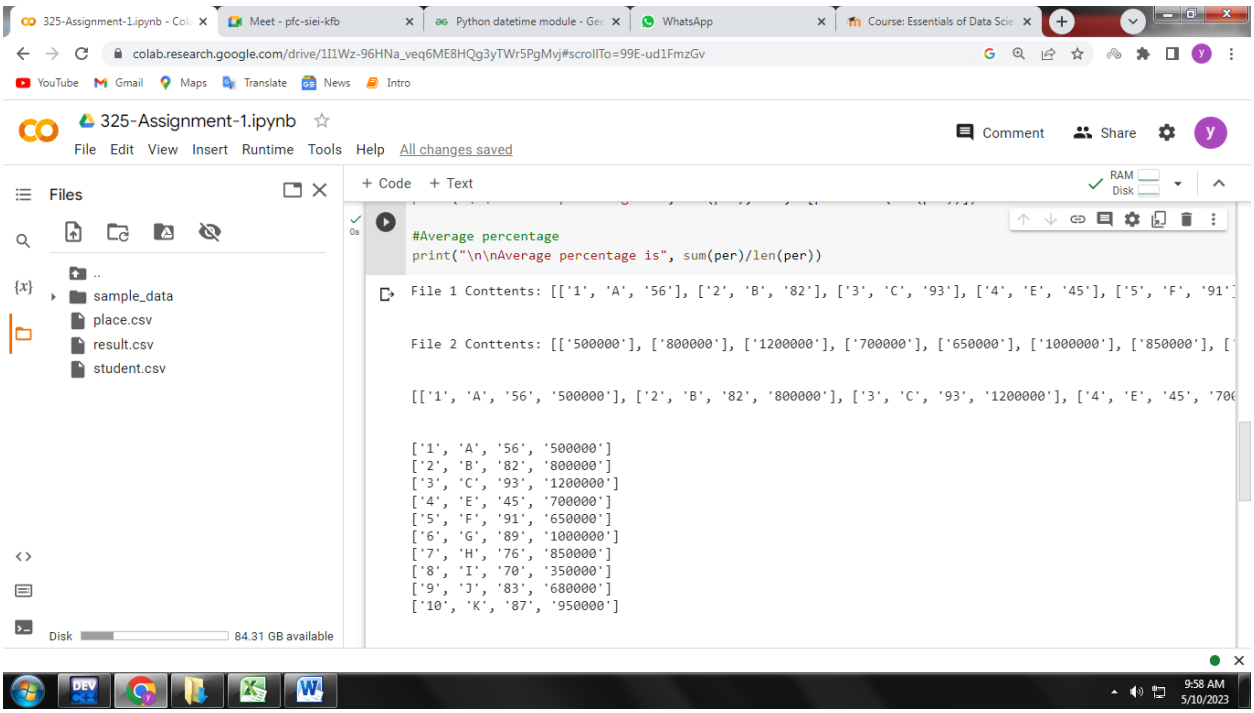
REQUIRED CODE

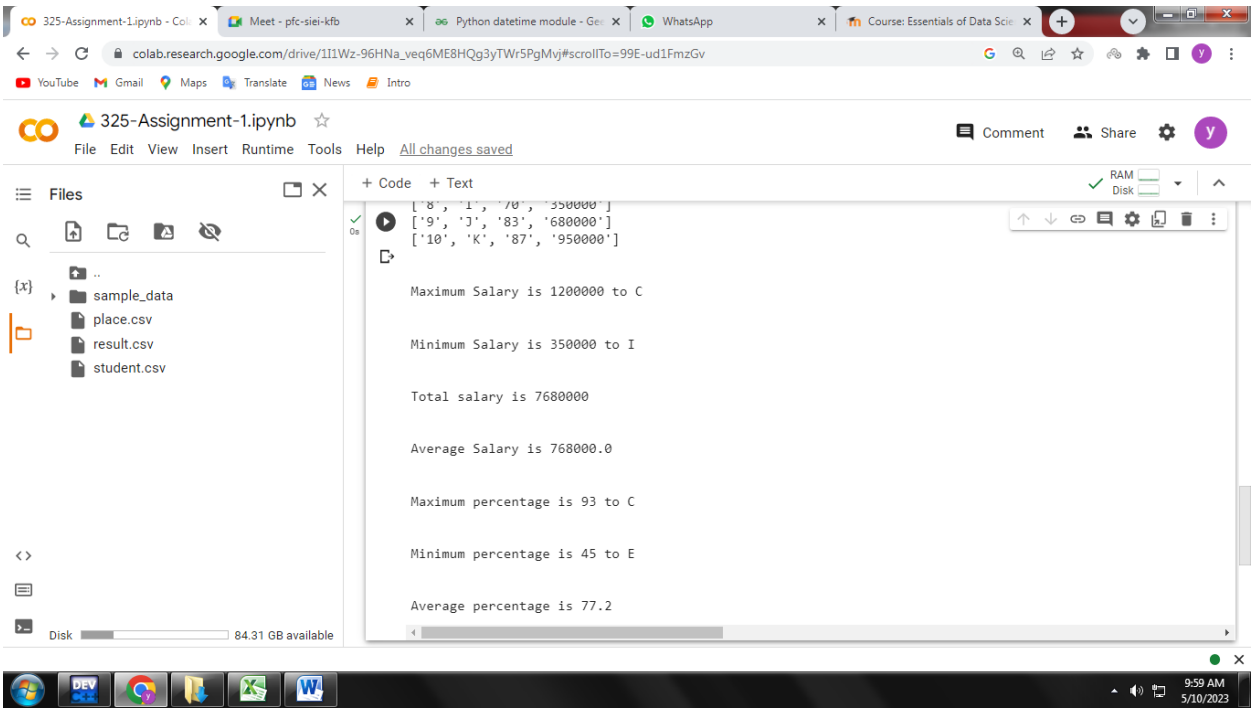

325-Assignment-1.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
Files
sample_data
place.csv
result.csv
student.csv
Disk 84.31 GB available
import csv
#opening files
f1 = open("result.csv","r")
f2 = open("place.csv","r")
f3 = open("student.csv","w")
d1=list(csv.reader(f1,delimiter=','))
d2=list(csv.reader(f2,delimiter=','))
print("File 1 Conttents:",d1,"\n\n")
print("File 2 Conttents:",d2,"\n\n")
#writing data in f3
d3=[]
for i in range (len(d1)):
d3.append(d1[i]+d2[i])
print(d3,"\n\n")
cw=csv.writer(f3)
cw.writerows(d3)


325-Assignment-1.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
+ Code + Text
Files
sample_data
place.csv
result.csv
student.csv
Disk 84.31 GB available
f1.close()
f2.close()
f3.close()
f = open("student.csv","r")
contents=f.read()
lines=contents.split("\n")
eid = []; nm = []; per = []; sal = [];
for l in range (10):
words = lines[l].split(",")
print(words)
eid.append(int(words[0]))
nm.append(words[1])
per.append(int(words[2]))
sal.append(int(words[3]))
#Max Salary


325-Assignment-1.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
place.csv
result.csv
student.csv
Disk 84.31 GB available
+ Code + Text
RAM
Disk
#Max Salary
print("\n\nMaximum Salary is", max(sal),"to",nm[sal.index(max(sal))])
#Min Salary
print("\n\nMinimum Salary is", min(sal),"to",nm[sal.index(min(sal))])
#Sum of salary
print("\n\nTotal salary is",sum(sal))
#Average Salary
print("\n\nAverage Salary is", sum(sal)/len(sal))
#Max percentage
print("\n\nMaximum percentage is", max(per),"to",nm[per.index(max(per))])
#Min percentage
print("\n\nMinimum percentage is", min(per),"to",nm[per.index(min(per))])
#Average percentage
print("\n\nAverage percentage is", sum(per)/len(per))
9:55 AM
5/10/2023

OUTPUT


325-Assignment-1.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
+ Code + Text
sample_data
place.csv
result.csv
student.csv
Disk 84.31 GB available
#Average percentage
print("\n\nAverage percentage is", sum(per)/len(per))
File 1 Contents: [['1', 'A', '56'], ['2', 'B', '82'], ['3', 'C', '93'], ['4', 'E', '45'], ['5', 'F', '91'
File 2 Contents: [['500000'], ['800000'], ['1200000'], ['700000'], ['650000'], ['1000000'], ['850000'], [
[['1', 'A', '56', '500000'], ['2', 'B', '82', '800000'], ['3', 'C', '93', '1200000'], ['4', 'E', '45', '70
['1', 'A', '56', '500000']
['2', 'B', '82', '800000']
['3', 'C', '93', '1200000']
['4', 'E', '45', '700000']
['5', 'F', '91', '650000']
['6', 'G', '89', '1000000']
['7', 'H', '76', '850000']
['8', 'I', '70', '350000']
['9', 'J', '83', '680000']
['10', 'K', '87', '950000']
9:58 AM
5/10/2023


325-Assignment-1.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
+ Code + Text
sample_data
place.csv
result.csv
student.csv
Disk 84.31 GB available
['9', 'J', '83', '680000']
['10', 'K', '87', '950000']
Maximum Salary is 1200000 to C
Minimum Salary is 350000 to I
Total salary is 7680000
Average Salary is 768000.0
Maximum percentage is 93 to C
Minimum percentage is 45 to E
Average percentage is 77.2
9:59 AM
5/10/2023