TITLE – Practical 1 EDS)

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Roll no:- 313
DIV:- C1

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.

INPUT

```
[ ]  import csv

     f1=open("studentttt.csv","r")
     f2=open("grades.csv","r")
     f3=open("stud_info","w")

     d1=list(csv.reader(f1,delimiter=","))
     d2=list(csv.reader(f2,delimiter=","))

     print("\nFile 1 contents: ",d1)
     print("\nFile 2 contents: ",d2)
     d3=[]
     for i in range (len(d1)):
       d3.append(d1[i]+d2[i])

     print(d3)
     cw=csv.writer(f3)
     cw.writerows(d3)

     print(max(d3))

     f1.close()
     f2.close()
     f3.close()
     cgpa=[]
     with open('/content/stud_info', mode ='r')as file:
```

```
with open('/content/stud_info', mode ='r')as file:

  csvFile = csv.reader(file)

  for lines in csvFile:
    cgpa.append(float(lines[4]))


print("\nMaximum cgpa:", max(cgpa))
print("Minimum cgpa:", min(cgpa))
print("Sum of cgpa:",sum(cgpa))
print("Average cgpa:",sum(cgpa)/len(cgpa))
```

OUTPUT

File 1 contents:

[['1', 'mayank', '337'], ['2', 'kausthub', '326'], ['3', 'pratham', '357'], ['4', 'shravani', '315'], ['5', 'nandini', '384']]

File 2 contents:

[['1', '10'], ['2', '9.95'], ['3', '9.6'], ['4', '9'], ['5', '8.2']] [['1', 'mayank', '337', '1', '10'], ['2', 'kausthub', '326', '2', '9.95'], ['3', 'pratham', '357', '3', '9.6'], ['4', 'shravani', '315', '4', '9'], ['5', 'nandini', '384', '5', '8.2']] ['5', 'nandini', '384', '5', '8.2']

Maximum cgpa: 10.0

Minimum cgpa: 8.2

Sum of cgpa: 46.75

Average cgpa: 9.35

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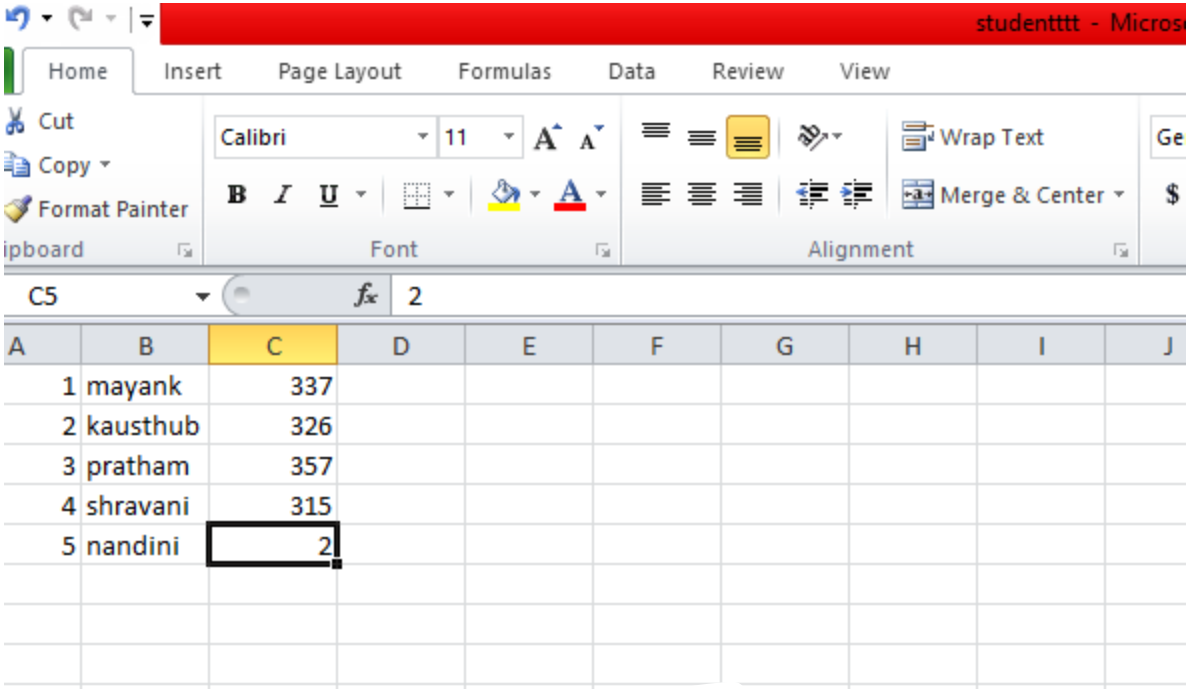
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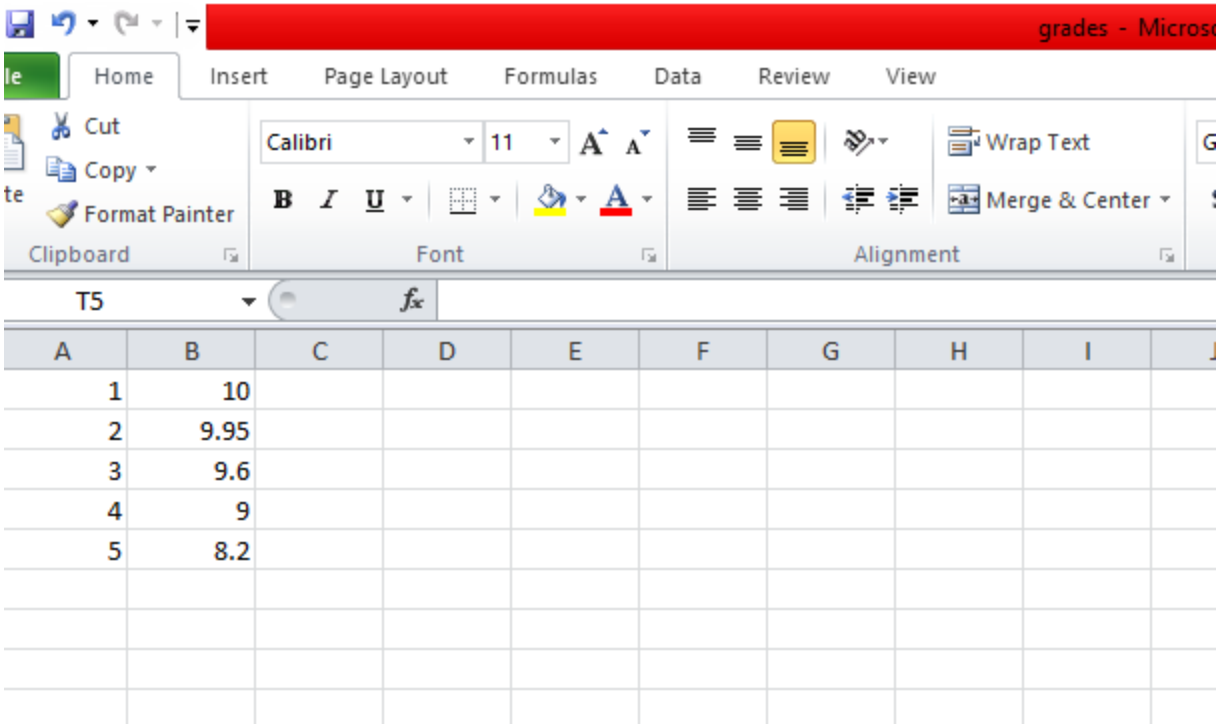
3 pratham 357
4 shravani 315
5 nandini 2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T5
A B C D E F G H I
1 10
2 9.95
3 9.6
4 9
5 8.2