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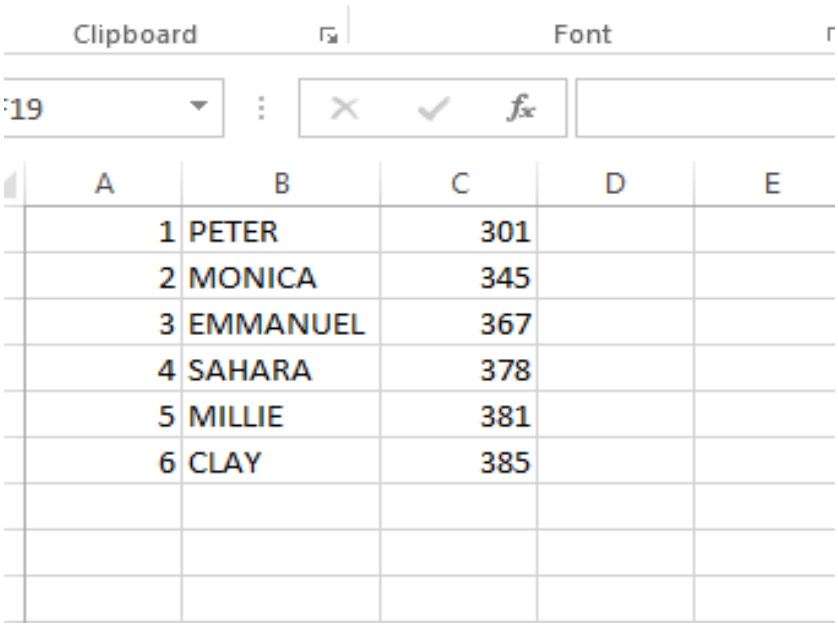
TITLE -

EDS Practical Assignment no. 1

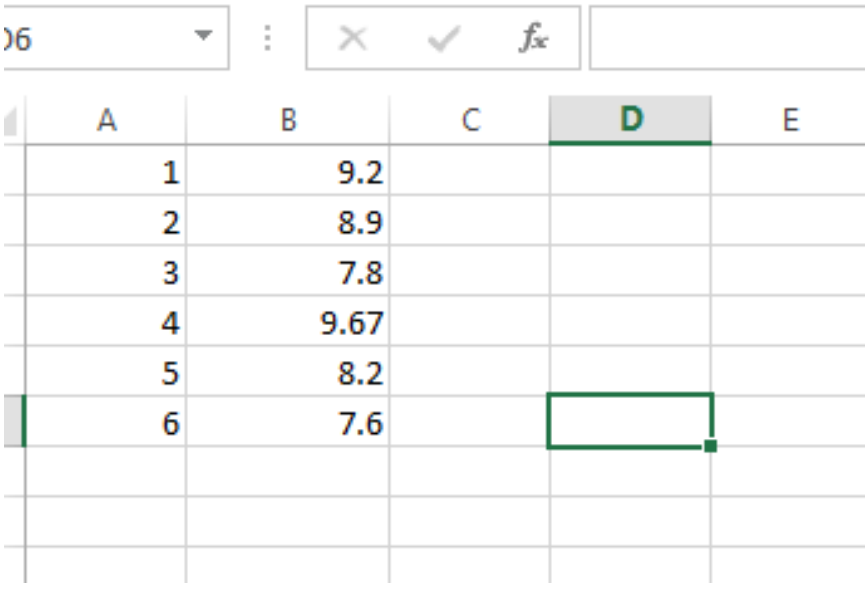
AIM-

Perform all statistical analysis (Average, Max, Min, Count, Sum, and Percentage on F.Y. BTech students' results where data will be in a separate data sheet.

DATA SHEET 1



DATASHEET 2



INPUT

```
import csv
f1=open("STUDENT_RECORD.csv","r")
f2=open("CGPA.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:
  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', 'PETER', '301'], ['2', 'MONICA', '345'], ['3',
'EMMANUEL', '367'], ['4', 'SAHARA', '378'], ['5', 'MILLIE', '381'],
['6', 'CLAY', '385']]

File 2 contents:  [['1', '9.2'], ['2', '8.9'], ['3', '7.8'], ['4',
'9.67'], ['5', '8.2'], ['6', '7.6']]
[['1', 'PETER', '301', '1', '9.2'], ['2', 'MONICA', '345', '2', '8.9'],
['3', 'EMMANUEL', '367', '3', '7.8'], ['4', 'SAHARA', '378', '4',
'9.67'], ['5', 'MILLIE', '381', '5', '8.2'], ['6', 'CLAY', '385', '6',
'7.6']]
['6', 'CLAY', '385', '6', '7.6']

Maximum cgpa: 9.67
Minimum cgpa: 7.6
Sum of cgpa: 51.37
Average cgpa:  8.561666666666666
```