

TITLE – Practical 1(EDS)

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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.

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

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

studentttt - Micros

Home Insert Page Layout Formulas Data Review View

Cut Copy Format Painter

Calibri 11 A A

B I U

Font

Alignment

Wrap Text Merge & Center

C5 2

A	B	C	D	E	F	G	H	I	J
1	mayank	337							
2	kausthub	326							
3	pratham	357							
4	shravani	315							
5	nandini	2							

https://drive.google.com/file/d/1Jwg2xpkbbgC1RIR9VBhxYT_HA2KoLsd-/view?usp=sharing

Studentttt file

grades - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Clipboard Font Alignment

Cut Copy Format Painter

Calibri 11 A A

B *I* U [Grid] [Color] [Text Color]

[List Bulleted] [List Numbered] [List None] [List Toggle] [List Indent]

Wrap Text Merge & Center

T5 f_x

A	B	C	D	E	F	G	H	I
1	10							
2	9.95							
3	9.6							
4	9							
5	8.2							

[https://drive.google.com/file/d/1Q-Z9zQaGqzO6eSjkvfvmDxK84UsO9VU3/view?usp=share link](https://drive.google.com/file/d/1Q-Z9zQaGqzO6eSjkvfvmDxK84UsO9VU3/view?usp=share_link)

Grades file