**PRACTICAL:1** 

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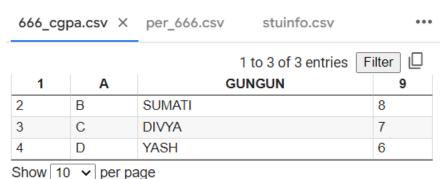
**ROLL NO: 666** 

PRN: 202201050029

BATCH: F4

**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.

## **FILES:**



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## **MERGED FILE:**

stuinfo.csv × ***							
1 to 3 of 3 entries Filter							
1	Α	GUNGUN	9	1	Α	GUNGUN	90
2	В	SUMATI	8	2	В	SUMATI	80
3	С	DIVYA	7	3	С	DIVYA	70
4	D	YASH	6	4	D	YASH	60
Show 10 v per page							

## **PROGRAM**:

```
import csv
def top_4_student(d3):
  d3.sort(key = lambda x: int(x[3]), reverse=True)
  print("sorted Data:",d3)
  print("\n Gungun",d3[0][1])
  print(" Sumati", d3[1][1])
  print(" Divya",d3[2][1])
  print(" Yash", d3[3][1])
f1 = open("/content/666 cgpa.csv","r")
f2 = open("/content/per 666.csv","r")
f3 = open("stuinfo.csv","w")
d1=list(csv.reader(f1,delimiter=','))
d2=list(csv.reader(f2,delimiter=','))
print("\n\nFile1 Contents:",d1)
print("\n\nFile2 Contents:",d2)
d3 = []
for i in range(len(d1)):
  d3.append(d1[i] + d2[i])
print(d3)
cw = csv.writer(f3)
cw.writerows(d3)
top 4 student(d3)
```

```
f1.close()
f2.close()
f3.close()

res=[]
with open('/content/stuinfo.csv',mode="r")as file:
    csvFile = csv.reader(file)

for lines in csvFile:
    res.append(int(lines[3]))
    print("Maximum",max(res))
    print("Minimum:",min(res))
    print("Total is: ",sum(res))
    print("average is:",sum(res)/len(res))
```

## output:

File1 Contents: [['1', 'A', 'GUNGUN', '9'], ['2', 'B', 'SUMATI', '8'], ['3', 'C', 'DIVYA', '7'], ['4', 'D', 'YASH', '6']]

```
File2 Contents: [['1', 'A', 'GUNGUN', '90'], ['2', 'B', 'SUMATI', '80'], ['3', 'C', 'DIVYA', '70'], ['4', 'D', 'YASH', '60']]
[['1', 'A', 'GUNGUN', '9', '1', 'A', 'GUNGUN', '90'], ['2', 'B', 'SUMATI', '8', '2', 'B', 'SUMATI', '80'], ['3', 'C', 'DIVYA', '7', '3', 'C', 'DIVYA', '70'], ['4', 'D', 'YASH', '6', '4', 'D', 'YASH', '60']]
sorted Data: [['1', 'A', 'GUNGUN', '9', '1', 'A', 'GUNGUN', '90'], ['2', 'B', 'SUMATI', '8', '2', 'B', 'SUMATI', '80'], ['3', 'C', 'DIVYA', '7', '3', 'C', 'DIVYA', '70'], ['4', 'D', 'YASH', '6', '4', 'D', 'YASH', '60']]
```

Gungun A Sumati B Divya C Yash D Maximum 9 Minimum: 9 Total is: 9 average is: 9.0 Maximum 9 Minimum: 8 Total is: 17 average is: 8.5 Maximum 9 Minimum: 7 Total is: 24 average is: 8.0 Maximum 9 Minimum: 6

Total is: 30 average is: 7.5