# **PRACTICAL 1**

Name: SUPRIYA KUNDLIK MASKAR

Roll no : **336** 

Batch : C2

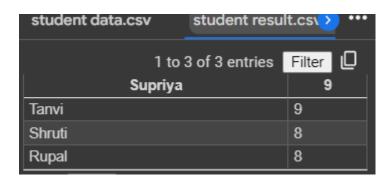
Prn: **202201040049** 

## **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:

Supriya	С	9
Tanvi	f	9
Shruti	f	8
Rupal	f	8
Show 10 v per page		



```
1 1,Sumati,C,10,1,Sumati,C,99
2 2,Shruti,F,8,2,Shruti,F,97
3 3,Tanvi,F,9,3,Tanvi,F,98
4 4,Supriya,C,10,4,Supriya,C,98
```

## Programme:

```
import csv
def top 4 student(d3):
  d3.sort(key = lambda x: int(x[3]), reverse=True)
  print("sorted Data:",d3)
  print("\n\nstudent 1",d3[0][1])
  print(" student 2",d3[1][1])
  print(" student 3",d3[2][1])
  print("student 4",d3[3][1])
f1 = open("/content/336 cgpa.csv","r")
f2 = open("/content/336 per.csv","r")
f3 = open("studentinfo", "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/studentinfo', 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', 'Sumati', 'C', '10'], ['2', 'Shruti', 'F', '8'], ['3', 'Tanvi', 'F', '9'], ['4', 'Supriya', 'C', '10']]

File2 Contents: [['1', 'Sumati', 'C', '99'], ['2', 'Shruti', 'F', '97'], ['3', 'Tanvi', 'F', '98'], ['4', 'Supriya',

[['1', 'Sumati', 'C', '10', '1', 'Sumati', 'C', '99'], ['2', 'Shruti', 'F', '8', '2', 'Shruti', 'F', '97'], ['3', 'Tanvi',

'F', '9', '3', 'Tanvi', 'F', '98'], ['4', 'Supriya', 'C', '10', '4', 'Supriya', 'C', '98']] sorted Data: [['1', 'Sumati', 'C', '10', '1', 'Sumati', 'C', '99'], ['4', 'Supriya', 'C', '10', '4', 'Supriya', 'C', '98'], ['3',