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Roll No.-313

Batch-C1

PRN -202201040043

EDS assignment 1

```
import csv

file2 = open("/content/drive/MyDrive/Placement.csv", 'r')
file1 = open("/content/drive/MyDrive/Result.csv", 'r')
file3 = open("/content/drive/MyDrive/student.csv", 'r')
listcurrent = []
for i in file1:
    print(i)
print("_____")
for i in file2:
    print(i)
print("_____")
for i in file3:
    print(i)
print("_____")
file2.close()
file1.close()
file3.close()

file2 = open("/content/drive/MyDrive/Placement.csv", 'r')
file1 = open("/content/drive/MyDrive/Result.csv", 'r')
file3 = open("/content/drive/MyDrive/student.csv", 'r')
data1 = list(csv.reader(file1, delimiter=','))
data2 = list(csv.reader(file2, delimiter=','))
data3 = list(csv.reader(file3, delimiter=','))
for i in range(5):
    listcurrent.append(data1[i] + data2[i] + data3[i])
for i in listcurrent:
    print(i)
print("_____")

b = len(listcurrent)
listsal = []
for i in range(1, b, 1):
```

```

        listsal.append(int(listcurrent[i][2]))
    listsal.sort()
    print("stored value are", listsal)
    print("the highest marks in sub 1 = ", max(listsal))
    print("the lowest marks in sub 1 = ", min(listsal))
    m = sum(listsal) / len(listsal)
    print("the average marks in sub1 = ", m)
    print("_____")
    file2.close()
    file1.close()
    listsal2=[]

    for i in range(1, b, 1):
        listsal2.append(int(listcurrent[i][1]))
    listsal2.sort()
    print("stored value are", listsal2)
    print("the highest marks in sub 2 = ", max(listsal2))
    print("the lowest marks in sub 2 = ", min(listsal2))
    m = sum(listsal2) / len(listsal2)
    print("the average marks in sub 2 = ", m)
    print("_____")
    file2.close()
    file1.close()

```

OUTPUT

The screenshot shows a Google Colab notebook interface. The left sidebar contains a file explorer with the following files: Assignment . 1.pdf, Divya Gatkai Resume lette..., Placement.csv, Placements, Result.csv, Self-management assign..., Tenses, Untitled spreadsheet.gsh..., aspirations assignment 3..., aspirations assignment.p..., assignment 2.1.pdf, assignment 2.pdf, assignment 3.2.pdf, assignment 4.pdf, and c1.pptx. The main area of the notebook shows the output of the script, which includes a list of marks for 'PRN, EGR, EDS' and 'PRN, PACKAGE'.

```

file1.close()
PRN, EGR, EDS
50047,70,60
50048,35,70
50049,40,72
50050,42,68
50051,58,75
PRN, PACKAGE
50047,100000
50048,200000
50049,300000
50050,400000
50051,500000

```

The bottom status bar indicates that the execution completed at 12:56 AM on 10-05-2023.

The image displays two sequential screenshots of a Google Colab notebook interface. The top screenshot shows the initial state of the notebook with a file explorer on the left and a code editor on the right. The code editor contains a list of student marks for three subjects (Sub 1, Sub 2, Sub 3) and a list of student names. The bottom screenshot shows the same notebook after execution, with the code editor displaying the results of the analysis, including the highest, lowest, and average marks for each subject.

Top Screenshot:

- File Explorer:** Shows a list of files including Assignment . 1.pdf, Divya Gatkai Resume lette..., Placement.csv, Placements, Result.csv, Self-management assign..., Tenses, Untitled spreadsheet.gsh..., aspirations assignment 3..., aspirations assignment.p..., assignment 2.1.pdf, assignment 2.2.pdf, assignment 3.2.pdf, assignment 4.pdf, and c1.pptx.
- Code Editor:** Contains the following code:

```
50051,500000

PRN,NAME,CLASS

50047,ANURAG,D4

50048,CHETAN,D3

50049,YASH,D4

50050,VEDANT,D2

50051,AYUSH,D3

['PRN','EGR','EDS','PRN','PACKAGE','PRN','NAME','CLASS']
['50047','70','60','50047','100000','50047','ANURAG','D4']
['50048','35','70','50048','200000','50048','CHETAN','D3']
['50049','40','72','50049','300000','50049','YASH','D4']
['50050','42','68','50050','400000','50050','VEDANT','D2']

stored value are [60, 68, 70, 72]
the highest marks in sub 1 = 72
the lowest marks in sub 1 = 60
the average marks in sub1 = 67.5
```

Bottom Screenshot:

- File Explorer:** Same as the top screenshot.
- Code Editor:** Contains the following code:

```
50048,CHETAN,D3

50049,YASH,D4

50050,VEDANT,D2

50051,AYUSH,D3

['PRN','EGR','EDS','PRN','PACKAGE','PRN','NAME','CLASS']
['50047','70','60','50047','100000','50047','ANURAG','D4']
['50048','35','70','50048','200000','50048','CHETAN','D3']
['50049','40','72','50049','300000','50049','YASH','D4']
['50050','42','68','50050','400000','50050','VEDANT','D2']

stored value are [60, 68, 70, 72]
the highest marks in sub 1 = 72
the lowest marks in sub 1 = 60
the average marks in sub1 = 67.5

stored value are [35, 40, 42, 70]
the highest marks in sub 2 = 70
the lowest marks in sub 2 = 35
the average marks in sub 2 = 46.75
```