

Week 20 – Lab session

sensordata.txt contains temperature data a sensor captured; you can see a screenshot of the file content on the right. I need your help to process these raw data. Read sensordata.txt file into your Jupyter Notebook.

Step 1:

Remove scores higher and equal to 200, remove scores lower and equal to -200. Print out the valid temperature list.

Step 2:

Find out the average temperature.

Step 3:

Find out the total number of temperatures are above the average, and the total number of temperatures are below the average.

Expected answers:

Step 1:

```
[65, 40, 45, 41, 42, 46, 48, 58, 58, 54, 56, 69, 64, 64, 58, 90, 52, 70, 45, 50, 45, 47, 51, 53, 63, 63, 59, 61, 74, 69, 69, 63, 95, 57]
```

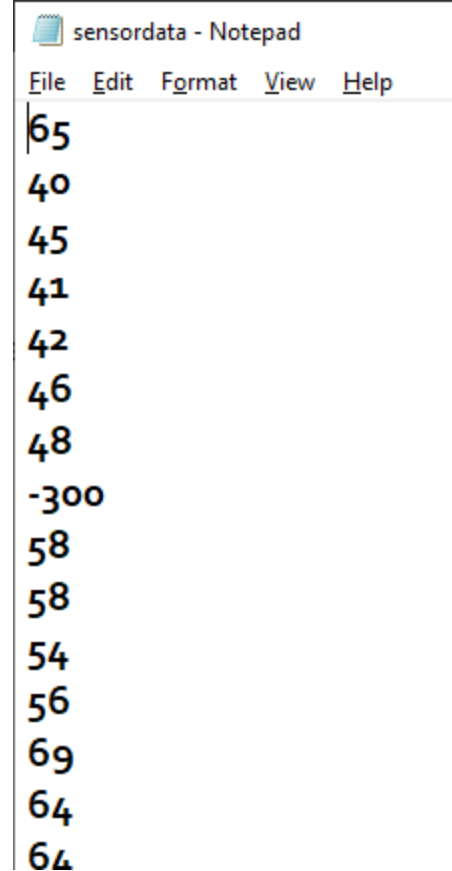
Step 2:

```
Average temperature is: 58.35294117647059
```

Step 3:

```
The total number of temperature reading are above the average is: 15
```

```
The total number of temperature reading are below the average is: 19
```



```
sensordata - Notepad
File Edit Format View Help
65
40
45
41
42
46
48
-300
58
58
54
56
69
64
64
58
90
52
70
45
50
45
47
51
53
63
63
59
61
74
69
69
63
95
57]
```