Bash/Python

5253589 modulo 29 = 7 ➳ bump

```
0.04
23.04
[('satcoin-genesis-SAT-8192.log', 23.04), ('rphp_p90_r90.log', 22.05), ('SAT_MS_sat_snake_p01.pddl_39.log', 20.09)]
[('pj2016_k140.log', 0.04), ('pj2016_k120.log', 0.04), ('ncc_none_7047_6_3_3_0_0_420.log', 0.04)]

Process finished with exit code 0
```

Output of python script - cadical_temp.py

```
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ chmod +x cadical_temp.sh
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ dos2unix cadical_temp.sh
dos2unix: converting file cadical_temp.sh to Unix format...
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ ./cadical_temp.sh
Minimum Percentage: 0.04
Maximum Percentage: 23.04
Top 3 highest percentages:
20.09
22.05
23.04
3 least percentages:
0.04
0.04
0.04
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$
```

Output of bash script - cadical_temp.sh

```
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ chmod +x cadical_temp.sh
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ dos2unix cadical_temp.sh
dos2unix: converting file cadical_temp.sh to Unix format...
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$ time ./cadical_temp.sh
Top 3 highest percentages:
20.09
22.05
23.04
3 least percentages:
0.04
0.04
0.04

real    0m8.117s
user    0m9.894s
sys     0m1.291s
vishal@MSI:~/missing_semester/cadical1.9-0j/cadical1.9-0j$
```

BASH

The run time of python appears to be better than the bash script in my case.

```
(venv) PS D:\IES\Project_1> Measure-Command { python cadical_temp.py }


Days              : 0
Hours             : 0
Minutes           : 0
TotalSeconds      : 1.2270744
TotalMilliseconds : 1227.0744
```

Python

Python vs Bash

- I found it comfortable to write in python, since the style of writing the codes and way of debugging is much clearer when things go wrong.

- I found python to be feature rich with libraries to handle complex manipulations of data's.