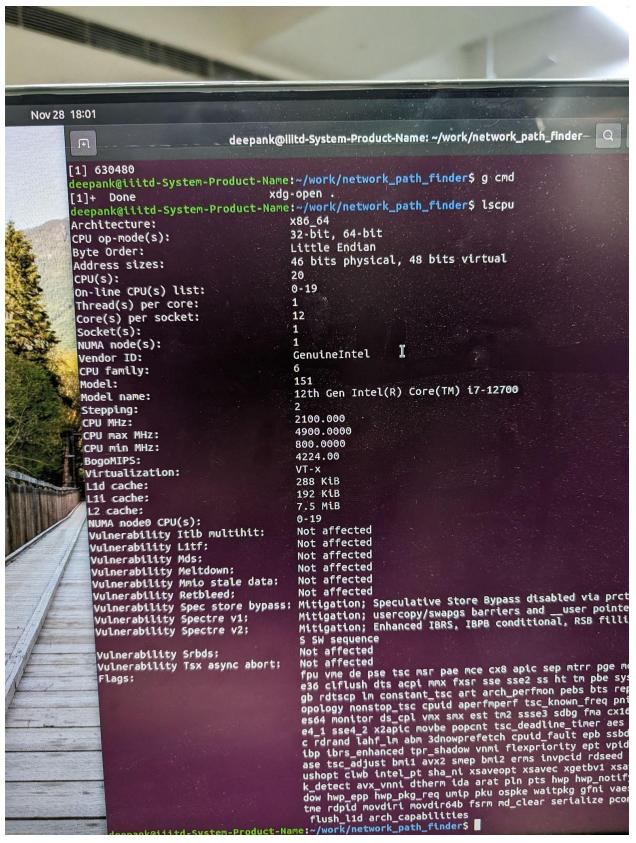
```
deepank@iiitd-System-Product-Name: ~/Vanshaj/OOPD-Project-main
leepank@iiitd-System-Product-Name:~/Vanshaj/OOPD-Project-main$ ./profile.sh
real
        1m53.637s
user
        0m1.240s
        1m6.148s
sys
real
        3m31.451s
user
        0m2.521s
sys
        1m30.715s
real
        7m31.971s
        0m4.064s
user
sys
        2m13.694s
eepank@iiitd-System-Product-Name:~/Vanshaj/00PD-Project-main$
```

Result for profiling without thread implementation. The first time command output is for (1), the second is for (2), and the third is for (3).

```
deepank@iiitd-System-Product-Name: ~/Vanshaj/OOPD-Project-multi-thread
deepank@iiitd-System-Product-Name:~/Vanshaj/OOPD-Project-multi-thread$ ./profile.sh
real
        3m39.429s
user
        0m3.268s
        2m56.181s
sys
real
        4m8.437s
user
        0m2.366s
        1m23.970s
sys
real
        3m32.918s
user
        0m3.830s
        2m24.852s
sys
deepank@iiitd-System-Product-Name:~/Vanshaj/OOPD-Project-multi-thread$
```

Result for profiling with thread implementation. We can see that for the directory structure (1) and (2), the difference in time taken is not much since we are only working with files; however, we see that in the directory structure (3), there is an almost 50% reduction in time due to the nested directories where each thread can work.



Here is the hardware configuration of the PC that we used.