

# DA LAB 2

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Calculate the CPU load for your machine and identify the state (under loaded or overloaded) of your machine. You have to find out the CPU usage of your computer using some Unix command.

Using top or htop command on unix based systems.

1.3% CPU Usage one single processor VM:

```
CPU[|] 1.3% Tasks: 35, 81 thr; 1 running
Mem[|] 338M/969M Load average: 0.04 0.01 0.00
Swp[|] 0K/0K Uptime: 19 days, 18:45:50
```

```
1.3% Tasks: 35, 81 thr; 1 running
338M/969M Load average: 0.02 0.01 0.00
0K/0K Uptime: 19 days, 18:46:25
```

Lightly Loaded on a multi processor machine:

```
1 [ 0.0%] 5 [ 0.0%]
2 [ 0.0%] 6 [ 0.0%]
3 [ 0.0%] 7 [ 0.0%]
4 [ 0.0%] 8 [ 0.0%]
Mem[|] 85.6M/12.4G Tasks: 5, 1 thr; 1 running
Swp[|] 0K/4.00G Load average: 0.00 0.00 0.00
Uptime: 00:43:51
```

Moderately Loaded CPU::

```
0[|] 25.0% Tasks: 175, 573 thr
1[|] 26.1% Load average: 3.65
2[|] 23.4% Uptime: 00:19:16
3[|] 25.3%
Mem[|] 2.18G/5.65G
Swp[|] 5.88M/2.00G
```

Using wmic command on Windows:

```
PS C:\Users\SAHIL> wmic cpu get loadpercentage
LoadPercentage
14
```