

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.

```
maxmax@madmax:~/Desktop/u19cs019_sem6/Distributed_Systems/Lab3$ cat q1.sh
idle=$(top -bn2 | grep '%Cpu' | tail -1 | grep -P '(\....|...) id, ' | awk '{print $8}')
total=`echo "100.0 - $idle" | bc`
high=70.0
low=30.0
echo "CPU Usage: $total%"
if [ $(echo "$total >= $high" | bc) -eq 1 ]; then
echo "Overloaded "
elif [ $(echo "$total <= $low" | bc ) -eq 1 ]; then
echo "Lightly Loaded"
else
echo "Moderately Loaded"
fi
maxmax@madmax:~/Desktop/u19cs019_sem6/Distributed_Systems/Lab3$ ./q1.sh
CPU Usage: 5.6%
Lightly Loaded
maxmax@madmax:~/Desktop/u19cs019_sem6/Distributed_Systems/Lab3$
```