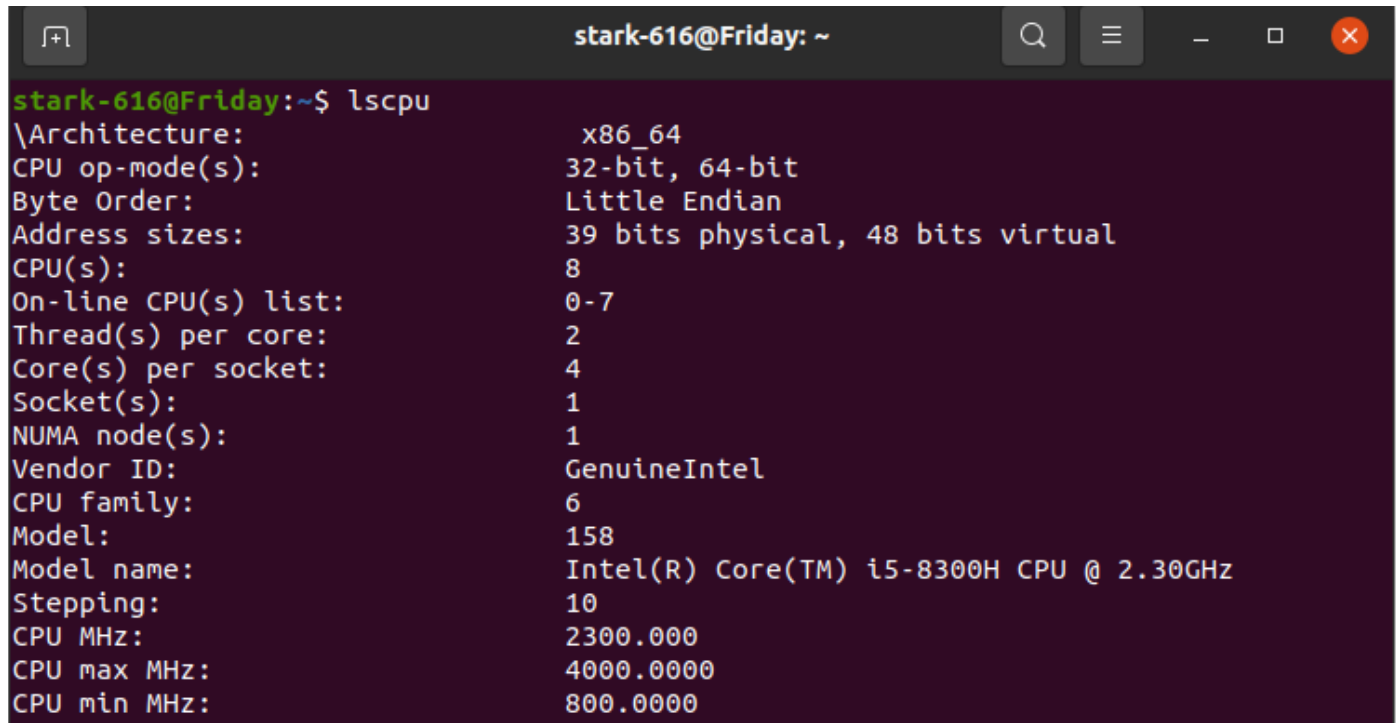


Programming Assignment 4

Performance testing

System Configurations:

A terminal window titled 'stark-616@Friday: ~' with standard window controls. The command 'lscpu' has been executed, displaying the following system configuration details:

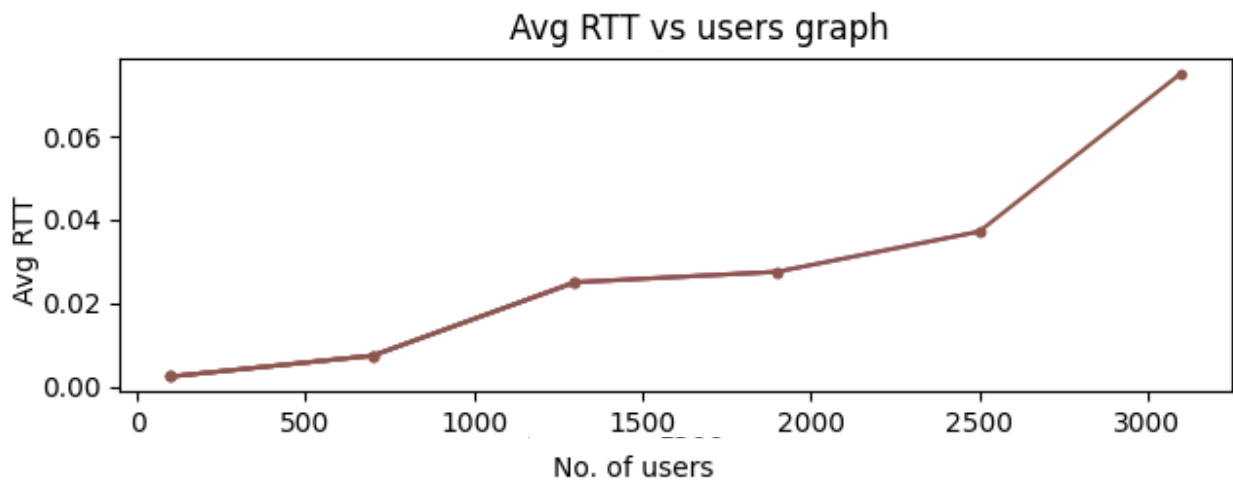
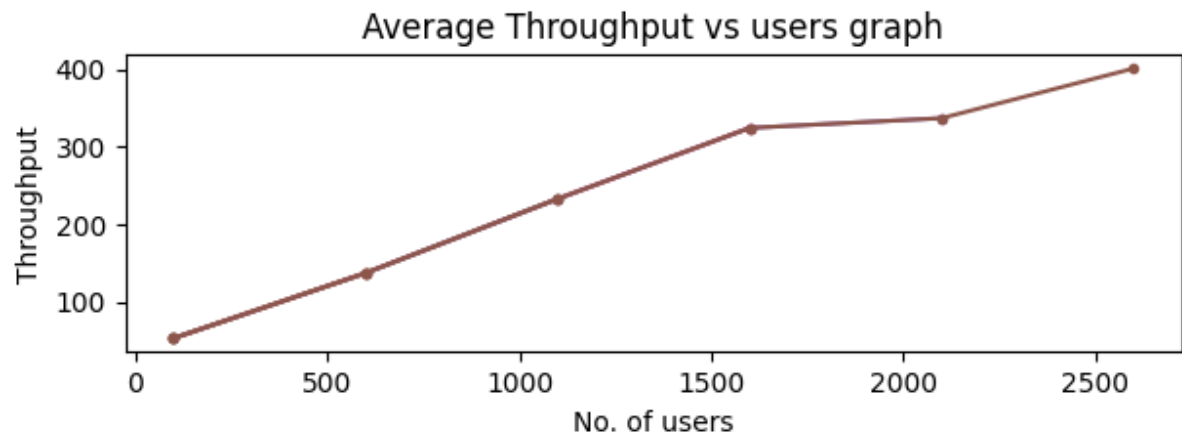
```
stark-616@Friday:~$ lscpu
Architecture:                x86_64
CPU op-mode(s):              32-bit, 64-bit
Byte Order:                  Little Endian
Address sizes:               39 bits physical, 48 bits virtual
CPU(s):                      8
On-line CPU(s) list:        0-7
Thread(s) per core:          2
Core(s) per socket:          4
Socket(s):                   1
NUMA node(s):                1
Vendor ID:                   GenuineIntel
CPU family:                   6
Model:                       158
Model name:                  Intel(R) Core(TM) i5-8300H CPU @ 2.30GHz
Stepping:                    10
CPU MHz:                     2300.000
CPU max MHz:                 4000.0000
CPU min MHz:                 800.0000
```

- The number of cores of my machine is 4.
- The number of cpu(s) or processors my machine has is 8 .
- The number of threads per core is 2.
- Average frequency of each processor is 2300MHz.
- The architecture of my CPU is x86_64.

Load Testing Results:

Think time = 0.1sec , Test Duration = 60 sec

Saturation reached when no. of users reached 1600, average throughput was approximately 336.40 requests/sec and Average RTT was 0.0229 secs.



The bottleneck of the will be software machine.

