

Lab 5

```
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ sudo apt install mosquitto mosquitto-clients
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mosquitto is already the newest version (2.0.11-1ubuntu1).
mosquitto-clients is already the newest version (2.0.11-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ mosquitto_sub -h localhost -v -t "$SYS/#"
$SYS/broker/version mosquitto version 2.0.11
$SYS/broker/uptime 1734 seconds
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ service mosquitto status
● mosquitto.service - Mosquitto MQTT Broker
   Loaded: loaded (/lib/systemd/system/mosquitto.service; enabled; vendor preset: enabled)
```

```
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ sudo pip3 install -U paho-mqtt
Requirement already satisfied: paho-mqtt in /usr/local/lib/python3.10/dist-packages (1.6.1)
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ git clone https://github.com/eclipse/paho.mqtt.python.git
Cloning into 'paho.mqtt.python'...
remote: Enumerating objects: 4531, done.
remote: Counting objects: 100% (981/981), done.
remote: Compressing objects: 100% (109/109), done.
remote: Total 4531 (delta 910), reused 872 (delta 872), pack-reused 3550
Receiving objects: 100% (4531/4531), 1.21 MiB | 2.02 MiB/s, done.
Resolving deltas: 100% (2483/2483), done.
```

```
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak$ python3 subcpu.py
KeyboardInterrupt
nkundra@DESKTOP-4TNRFB2:/mnt/c/Users/nehak/iot/lesson5$ python3 subcpu.py
Connected with result code 0
MyCPU 2023-05-04 01:34:59
CPU Usage: 4.2 %
MyCPU CPU Usage: 0.2 %
2023-05-04 01:34:49
CPU Usage: 0.1 %
MyCPU 2023-05-04 01:35:09
CPU Usage: 0.1 %
MyCPU CPU Usage: 0.1 %
2023-05-04 01:35:19
CPU Usage: 0.1 %
MyCPU 2023-05-04 01:35:29
CPU Usage: 0.0 %
MyCPU CPU Usage: 0.0 %
2023-05-04 01:35:39
CPU Usage: 0.2 %
MyCPU 2023-05-04 01:35:49
CPU Usage: 0.1 %
MyCPU CPU Usage: 0.1 %
2023-05-04 01:35:59
CPU Usage: 0.1 %
MyCPU 2023-05-04 01:36:09
CPU Usage: 0.1 %
MyCPU CPU Usage: 0.1 %
2023-05-04 01:36:19
CPU Usage: 0.1 %
MyCPU 2023-05-04 01:36:29
CPU Usage: 0.1 %
MyCPU CPU Usage: 0.1 %
2023-05-04 01:36:39
CPU Usage: 0.1 %
MyCPU CPU Usage: 0.1 %
```