## **MQTT**

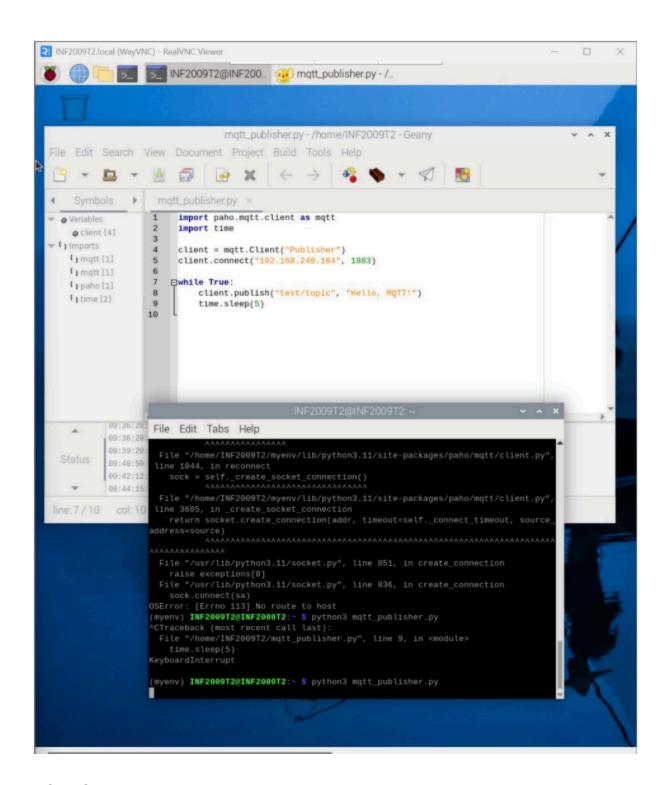
Starting and enabling Mosquitto by running edited Mosquitto.conf

```
File Edit Tabs Help
Processing triggers for libc-bin (2.28-10+rpt2+rpi1+deb10u2) ...
pi@pi:~ $ sudo nano /etc/mosquitto/mosquitto.conf
pi@pi:~ $ sudo mosquitto -c /etc/mosquitto/mosquitto.conf
pi@pi:~ $ systemctl status mosquitto

    mosquitto.service - Mosquitto MQTT v3.1/v3.1.1 Broker

   Loaded: loaded (/lib/systemd/system/mosquitto.service; enabled; vendor preset
  Active: active (running) since Thu 2025-03-06 04:07:01 GMT; 2min 53s ago
    Docs: man:mosquitto.conf(5)
         man:mosquitto(8)
 Main PID: 1215 (mosquitto)
   Tasks: 1 (limit: 2059)
   CGroup: /system.slice/mosquitto.service
           └1215 /usr/sbin/mosquitto -c /etc/mosquitto/mosquitto.conf
Mar 06 04:07:01 pi systemd[1]: Starting Mosquitto MQTT v3.1/v3.1.1 Broker...
Mar 06 04:07:01 pi systemd[1]: Started Mosquitto MOTT v3.1/v3.1.1 Broker.
pi@pi:~ $ sudo systemctl disable mosquitto
Synchronizing state of mosquitto.service with SysV service script with /lib/syst
emd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install disable mosquitto
Removed /etc/systemd/system/multi-user.target.wants/mosquitto.service.
pi@pi:~ $ sudo systemctl stop mosquitto
pi@pi:~ $
```

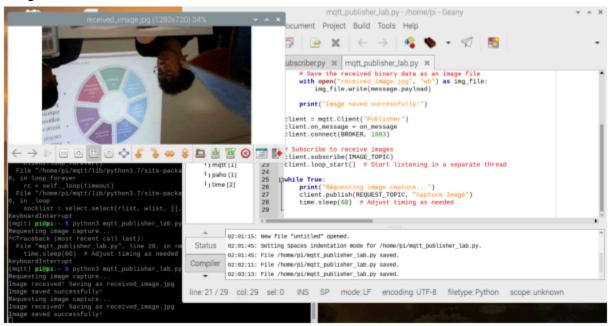
## MQTT Publisher



## MQTT Subscriber

```
(mqtt) pi@pi:~ $ python3 mqtt_subscriber.py
Received message 'Hello, MQTT!' on topic 'test/topic'
```

MQTT Publisher to send request to the subscriber to get image captured, and receive image from subscriber's webcam



MQTT Subscriber listening for request from Publisher to capture and send image

