Name :- Asodariya Parth K.

Roll No :- 33 Sem :- 9th Subject :- IOT

\_\_\_\_\_\_

## MQTT-SUBSCRIBER.py:

```
import paho.mgtt.client as mgtt
import time
import sqlite3
connection = sqlite3.connect('sensor.db')
def on connect(client, userdata, flags, resultCode):
  print('Connected with client')
  client.subscribe('mscit/testing1')
  table_cursor = connection.cursor()
  table cursor.execute("
    CREATE TABLE IF NOT EXISTS PublishMsgs(
       Msg_ID INTEGER PRIMARY KEY AUTOINCREMENT,
       Payload TEXT,
       LOGTIMESTAMP TIMESTAMP DEFAULT CURRENT TIMESTAMP
    )
  "")
def on message(client, userdata, message):
  payload data = message.payload.decode('UTF-8')
  record cursor = connection.cursor()
  record_cursor.execute("INSERT INTO PubilshMsgs(Payload)
VALUES(""+str(payload_data)+"");")
  connection.commit()
  print(payload data)
  rows cursor = connection.cursor()
  rows_cursor.execute("SELECT * FROM PublishMsgs ORDER BY Msg_ID ASC LIMIT
10")
  records = rows_cursor.fetchall()
  for rows_ in records:
    print(rows_)
client = mqtt.Client()
client.on connect = on connect
client.on_message = on_message
client.connect('broker.emgx.io', 1883, 60);
client.loop_forever()
```

## MQTT-Publisher.py:

```
import paho.mqtt.client as mqtt
import time
def on_connect(client, userdata, flags, resultCode):
    print('Client is connnected')

client = mqtt.Client()
client.on_connect = on_connect
client.connect('broker.emqx.io', 1883, 60);

while True:
    msg = "Welcome to VNSGU, Roll no. 33 Parth Asodariya"
    payload = str(msg)
    print('send data to client successfully')
    client.publish('mscit/testing1', payload= payload, qos = 0, retain=False)
    time.sleep(1)

client.loop_forever()
```

## **SCREENSHOT:**

```
### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL NO: 18 / 1202-10-07 17:57:38*)

### OF PARTICLE OF VIGGOR ROLL
```

pi@raspberry:~/Documents/Python Practise 5 python3 mqtt-publisher.py	
page aspect y - rootuments registrons matter providence by	
send data to client successfully	
send data to client successfully	
send data to client successfully	
send data to client successfully	
send data to client successfully	
	Activate Windows
	Go to Settings to activate Windows.
send data to client successfully	