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**Sem :- 9th Subject :- IOT**

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## MQTT-SUBSCRIBER.py:

import paho.mqtt.client as mqtt 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 PubilshMsgs(

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 PubilshMsgs 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.emqx.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 :



