C: > Users > Raj > smartwater.py

```python
import paho.mqtt.client as mqtt
import random
import time

# Define MQTT broker and topic information
mqtt_broker = "your_mqtt_broker_url"
mqtt_port = 1883
mqtt_topic = "water_consumption"

# Function to simulate water consumption data (replace with actual sensor data)
def simulate_water_consumption():
    return random.uniform(0.1, 2.0)  # Simulated water consumption data in liters

# Callback when the client connects to the MQTT broker
def on_connect(client, userdata, flags, rc):
    print("Connected with result code " + str(rc))
    client.subscribe(mqtt_topic)

# Create an MQTT client instance
client = mqtt.Client()
client.on_connect = on_connect

# Connect to the MQTT broker
client.connect(mqtt_broker, mqtt_port, 60)

# Publish water consumption data at regular intervals
while True:
    water_consumption = simulate_water_consumption()
    client.publish(mqtt_topic, payload=f"Water consumption: {water_consumption} liters")
    print(f"Published: Water consumption - {water_consumption} liters")
    time.sleep(5)  # Adjust the interval as needed

```

```python

# Keep the script running
client.loop_forever()

```