Publisher 1:

```
Import paho.mqtt.client as mqtt

From random import randrange,uniform

Import time

Mqttbroker="mqtt.eclipseprojects.io"

client=mqtt.Client("temperature –Inside")

client.connect(Mqttbroker)


While true:

        Randomtemp=uniform(20.0,22.0)

        Client.publish("Temperatur:", Randomtemp)

        Print("Just published"+str(Randomtemp)+"to topic temperature")

        Time.sleep(1)
```

Publisher 2:

```
Import paho.mqtt.client as mqtt

From random import randrange,uniform

Import time

Mqttbroker="mqtt.eclipseprojects.io"

Client=mqtt.Client("temperature –Outside")

Client.connect(Mqttbroker)


While true:

        Randomtemp=randrange(12)

        Client.publish("Temperature:", Randomtemp)

        Print("Just published"+str(Randomtemp)+"to topic temperature")

        Time.sleep(1)
```

Subscriber:

```
Import paho.mqtt.client as mqtt

Import time

Def on_message(client,userdata,message):

        Print("Received message:",str(message.payload.decode("utf-8")))


Mqttbroker="mqtt.eclipseprojects.io"

Client=mqtt.Client("Smartphon")

Client.connect(Mqttbroker)


Client.loop_start()

Client.subscribe("Temperature")

Client.on_message=on_message

time.sleep(1)

client.loop(end)
```