import time  
import paho.mqtt.client as paho  
broker="broker.hivemq.com"  
broker="iot.eclipse.org"  
#define callback  
def on\_message(client, userdata, message):  
 time.sleep(1)  
 print("received message =",str(message.payload.decode("utf-8")))  
  
client= paho.Client("client-001") #create client object client1.on\_publish = on\_publish #assign function to callback client1.connect(broker,port) #establish connection client1.publish("house/bulb1","on")  
######Bind function to callback  
client.on\_message=on\_message  
#####  
print("connecting to broker ",broker)  
client.connect(broker)#connect  
client.loop\_start() #start loop to process received messages  
print("subscribing ")  
client.subscribe("house/bulb1")#subscribe  
time.sleep(2)  
print("publishing ")  
client.publish("house/bulb1","on")#publish  
time.sleep(4)  
client.disconnect() #disconnect  
client.loop\_stop() #stop loop