***Instructions on how to run the script:***

1. **Prerequisites:**

* Make sure you have Python3 installed on your system.

1. **Install Required Libraries:**

* You may need to install the Paho MQTT library if it’s not already installed. You can do this using pip: **`pip3 install paho-mqtt`**

1. **Run the script:**

* Open your terminal or command prompt.
* Navigate to the directory where the script is located.
* Run the script with Python3 by entering the following command:

**`python3 csub.py`**

* The script will start running and connect to the MQTT broker. It will subscribe to specific topics and print received messages to the terminal.

1. **Leave the Subscriber Running:**

* Let the subscriber script run in the background.

1. **Open Another Terminal:**

* Open a separate terminal or command prompt to run the Publisher script.
* Navigate to the directory where the publisher script is located.
* Execute the publisher script using Python3 by entering the following command:

`**python3 cpubsub.py`**

* The script will start publishing messages to the MQTT broker.

1. **Observe the Subscriber Terminal:**

* Switch back to the terminal where the subscriber script is running.
* You will see the messages being received and printed to the terminal.

1. **Check for Successful Communication:**

* Verify that the subscriber script successfully receives and displays the messages published by the publisher script.

1. **End the Scripts:**

* You can stop both the publisher and subscriber scripts manually by pressing `**Ctrl + C`** in their respective terminals.