

**RABIA NASEER**  
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**MQTT Data Subscription in Node-RED – Short Explanation**

1. MQTT-in node subscribes to the topic home/lab1/temp from ESP32.
2. Mosquitto broker running on localhost:1883 handles message communication.
3. Debug node displays the incoming temperature data in the Node-RED Debug window.
4. Deploying the flow starts subscription and data display in real time.
5. If ESP32 sends JSON data, a JSON node can convert it for easier access.
6. The setup allows monitoring IoT sensor data without writing extra code.



