

```
void loop() {  
    mqtt.loop();  
  
    if (!mqtt.connected()) {  
        connectMQTT();  
    }  
  
    if (millis() - lastMillis > publishInterval) {  
        lastMillis = millis();  
  
        float temperature = dht.readTemperature(true);  
        float humidity = dht.readHumidity();
```

```
void connectMQTT() {  
    Serial.print("Connecting MQTT...");  
    while (!mqtt.connect(clientId, username, password)) {  
        Serial.print(".");  
        delay(500);  
    }  
  
    Serial.println("connected.");  
}
```