```cpp
void loop() {
  mqtt.poll();

  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...");
  mqtt.setId(clientId);
  mqtt.setUsernamePassword(username, password);

  while (!mqtt.connect(server, port)) {
    Serial.print(".");
    delay(500);
  }

  Serial.println("connected.");
}
```