#include <WiFi.h>

#include <PubSubClient.h>

const char\* ssid = "your\_wifi\_ssid";

const char\* password = "your\_wifi\_password";

const char\* mqtt\_server = "your\_mqtt\_server\_address";

WiFiClient wifiClient;

PubSubClient client(wifiClient);

void setup() {

Serial.begin(9600);

WiFi.begin(ssid, password);

while (WiFi.status() != WL\_CONNECTED) {

delay(1000);

Serial.println("Connecting to WiFi...");

}

Serial.println("Connected to WiFi");

client.setServer(mqtt\_server, 1883);

}

void loop() {

if (!client.connected()) {

reconnect();

}

client.loop();

}

void reconnect() {

while (!client.connected()) {

Serial.println("Connecting to MQTT server...");

if (client.connect("arduinoClient")) {

Serial.println("Connected to MQTT server");

} else {

delay(1000);

    }

  }

}