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#include <WiFi.h>
#include <HTTPClient.h>
#include <DHT.h>

// WiFi credentials
const char* ssid = "Wokwi-GUEST";
const char* password = "";

// Beeceptor endpoint
const char* serverUrl = "https://smartenviron.free.beeceptor.com/smartenviron/";

// DHT sensor configuration
#define DHTPIN 4        // Define the GPIO pin to which the DHT22 is connected
#define DHTTYPE DHT22   // Define the sensor type (DHT11 or DHT22)
DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(9600);
  Serial.print("Connecting to WiFi");
   WiFi.begin("Wokwi-GUEST", "", 6);
  while (WiFi.status() != WL_CONNECTED) {
    delay(100);
    Serial.print(".");
  }
  Serial.println(" Connected!");

  // Initialize the DHT sensor
  dht.begin();
}

void loop() {
  // Read temperature and humidity
  float temperature = dht.readTemperature();
  float humidity = dht.readHumidity();

  if (!isnan(temperature) && !isnan(humidity)) {
    // Create an HTTP client
    HTTPClient http;

    // Send temperature and humidity data to Beeceptor as form parameters
    String postData = "temperature=" + String(temperature) + "&humidity=" + String(humidity);
    http.begin(serverUrl);
    http.addHeader("Content-Type", "application/x-www-form-urlencoded");
    int httpResponseCode = http.POST(postData);

    if (httpResponseCode > 0) {
      Serial.print("HTTP Response code: ");
      Serial.println(httpResponseCode);
      Serial.println("Data sent to Beeceptor.");
    } else {
      Serial.print("Error in HTTP request. HTTP Response code: ");
      Serial.println(httpResponseCode);
```

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    }

    http.end();
  } else {
    Serial.println("Failed to read from DHT sensor!");
  }

  delay(60000); // Send data every 1 minute (adjust as needed)
}
```