# Stm32 with temperature sensor:-

Code:-

#include <DHT.h>

#define DHTPIN PA0     // Pin where the DHT22 is connected

#define DHTTYPE DHT22   // Type of DHT sensor (DHT11, DHT21, DHT22)

DHT dht(DHTPIN, DHTTYPE);

void setup() {

**Serial**.begin(9600);

  dht.begin();

}

void loop() {

  delay(2000); // Delay between sensor readings

  float humidity = dht.readHumidity();

  float temperature = dht.readTemperature();

  // Check if any reads failed and exit early (to try again).

  if (isnan(humidity) || isnan(temperature)) {

**Serial**.println("Failed to read from DHT sensor!");

    return;

  }

**Serial**.print("Humidity: ");

**Serial**.print(humidity);

**Serial**.print("%\t");

**Serial**.print("Temperature: ");

**Serial**.print(temperature);

**Serial**.println("°C");

}

