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/*****
Created with PROGRAMINO IDE for Arduino
Project      : SARC Demo 1
Libraries    : DHT11
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Description   : Temperature/Humidity Sensor
*****/
#include "DHT.h"      // Include the Humidity sensor library

#define DHTPIN 2      // Set Connection to pin 2
#define DHTTYPE DHT11 // Set sensor type to 11

DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(115200); // enable serial interface & baud rate
  dht.begin();          // enable sensor
  Serial.println("DHT11 started");
}

void loop() {
  float h = dht.readHumidity(); // Read humidity
  float t = dht.readTemperature(); // Read temperature as Celsius
  float f = dht.readTemperature(true); // Read temperature as Fahrenheit

  // Check if any reads failed and exit early (to try again).
  if (isnan(h) || isnan(t) || isnan(f)) {
    Serial.println("Failed to read from DHT sensor!");
    return;
  }

  Serial.println("");
  Serial.print("Humidity: ");
  Serial.print(int(h));
  Serial.println("%\t");
  Serial.print("Temperature: ");
  Serial.print(int(t));
  Serial.print("*C which is ");
  Serial.print(int(f));
  Serial.println("*F\t");

  delay(2000);
}

```