

**Applications for IoT data
storage are device connection
and management**

IOT



```
sketch_may26a | Arduino 1.8.18
File Edit Sketch Tools Help

sketch_may26a $
#include "DHT.h"
#define DHTPIN 4 // what digital pin we're connected to

// Uncomment whatever type you're using!
//#define DHTTYPE DHT11 // DHT 11
#define DHTTYPE DHT11 // DHT 22 (AM2302), AM2321
//#define DHTTYPE DHT21 // DHT 21 (AM2301)
DHT dht(DHTPIN, DHTTYPE);

void setup() {
  Serial.begin(9600);
  Serial.println("Date & Time, Humidity %, Temperature *C,");
  dht.begin();
}

void loop() {
  // Wait a few seconds between measurements.
  delay(1000);
}
```

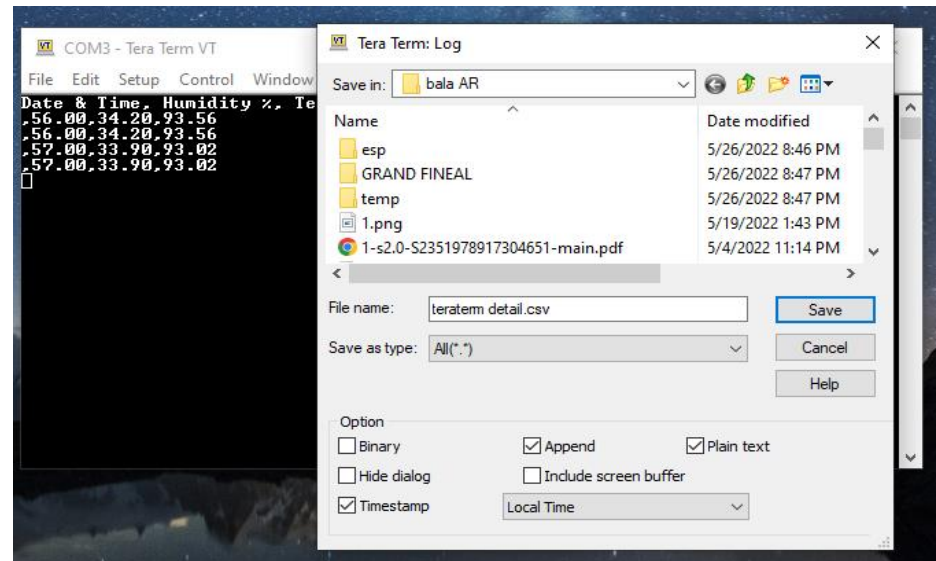
Error opening serial port 'COM3'. (Port busy) Copy error messages

Leaving...
Hard resetting via RTS pin...

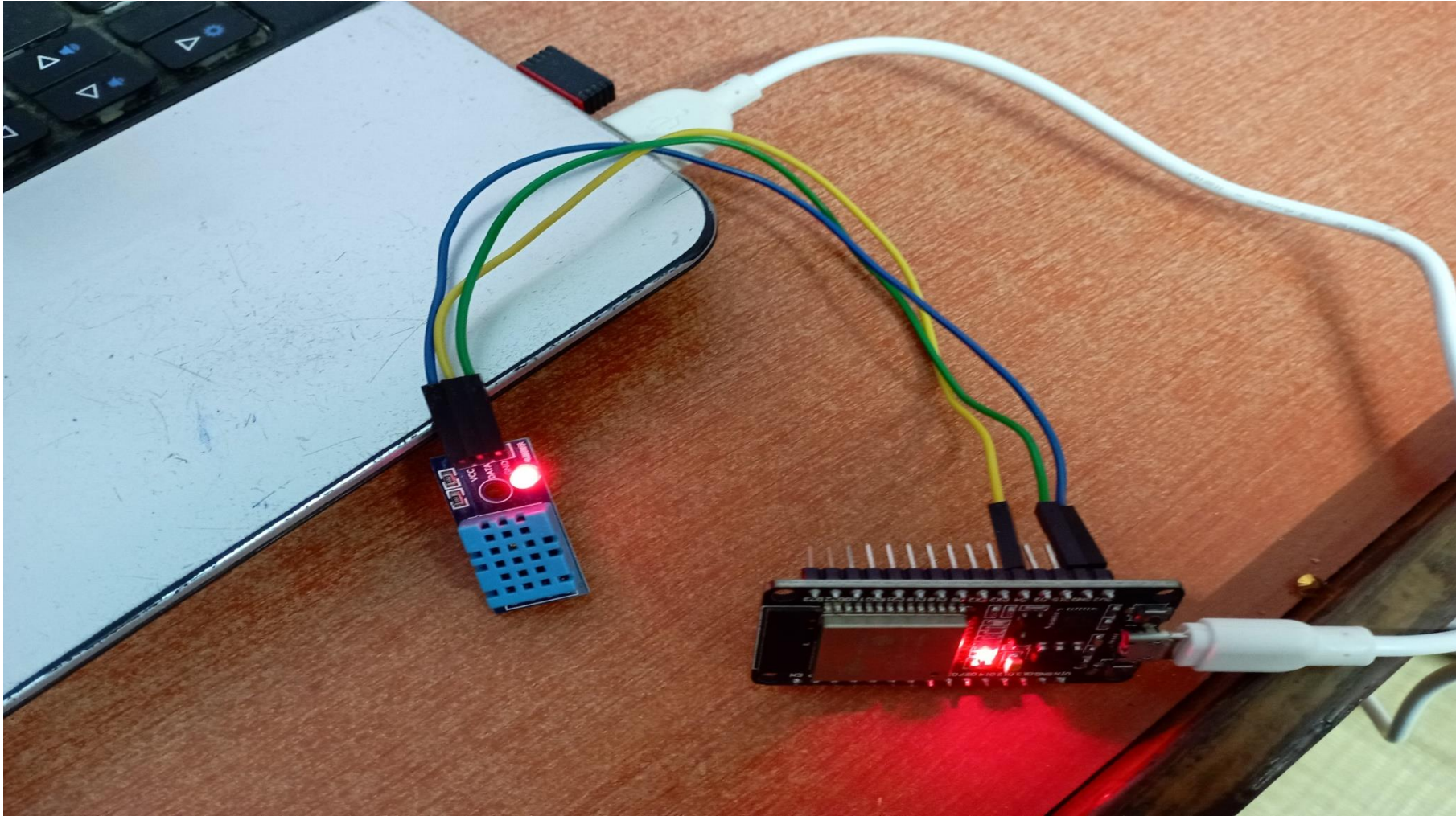
Tera Teram



```
COM3 - Tera Term VT
File Edit Setup Control Window Help
42.00,39.30,102.74
42.00,39.30,102.74
43.00,39.20,102.56
43.00,39.20,102.56
43.00,39.10,102.38
43.00,39.10,102.38
43.00,39.00,102.20
43.00,39.00,102.20
43.00,38.90,102.02
43.00,38.90,102.02
43.00,38.70,101.66
43.00,38.70,101.66
43.00,38.70,101.66
43.00,38.70,101.66
44.00,38.60,101.48
44.00,38.60,101.48
44.00,38.50,101.30
44.00,38.50,101.30
44.00,38.30,100.94
44.00,38.30,100.94
45.00,38.20,100.76
45.00,38.20,100.76
45.00,38.20,100.76
```



IOT Device Connection



IOT Data Storage are Device Connection and Management

The screenshot displays a Windows desktop environment with three primary applications open:

- Microsoft Excel:** The background application is Microsoft Excel, showing a spreadsheet titled "teraterm detail.csv [Read-Only] - Microsoft Excel (Product Activation Failed)". The spreadsheet contains a table with columns A through E. The data in column A represents timestamps, column B represents a value (likely humidity), column C represents a value (likely temperature), and column D represents a value (likely a sensor ID or status). The data is organized into rows, with the first 58 rows showing a sequence of measurements and the last 6 rows showing a summary or final state.
- COM3 - Tera Term VT:** A terminal window titled "COM3 - Tera Term VT" is open, displaying a stream of data. The data appears to be a sequence of values, possibly representing sensor readings or communication data, displayed in a monospaced font.
- Arduino IDE:** The Arduino IDE window is open, showing a sketch titled "sketch_may26a | Arduino 1.8.18". The sketch code is visible, including the Arduino IDE standard headers, a setup function, and a loop function. The code is written in C++ and includes comments and function calls. The IDE interface shows the "Sketch" menu and the "Tools" menu.

The Windows taskbar at the bottom shows the Start button, a search bar, and several pinned applications including the Tera Term terminal, the Arduino IDE, and the Excel spreadsheet. The system clock in the bottom right corner indicates the time is 12:19 AM on 5/27/2022.