

ASSIGNMENT 05

CODE:

```
#include "DHT.h"

#include <SPI.h>

#include <Ethernet.h>

byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED }; //Setting MAC Address

#define DHTPIN 2

#define DHTTYPE DHT11

DHT dht(DHTPIN,DHTTYPE);

float humidityData;

float temperatureData;

char server[] = "<Your Local IP>";

IPAddress ip(192,168,0,177);

EthernetClient client;


/* Setup for Ethernet and RFID */

void setup() {

  Serial.begin(9600);

  dht.begin();

  if (Ethernet.begin(mac) == 0) {

    Serial.println("Failed to configure Ethernet using DHCP");

    Ethernet.begin(mac, ip);

  }

  delay(1000);

}

//-----
```

```

/* Infinite Loop */
void loop(){
    humidityData = dht.readHumidity();
    temperatureData = dht.readTemperature();
    Sending_To_phpmyadmindatabase();
    delay(30000); // interval
}

void Sending_To_phpmyadmindatabase() //CONNECTING WITH MYSQL
{
    if (client.connect(server, 80)) {
        Serial.println("connected");
        // Make a HTTP request:
        Serial.print("GET /testcode/dht.php?humidity=");
        client.print("GET /testcode/dht.php?humidity="); //YOUR URL
        Serial.println(humidityData);
        client.print(humidityData);
        client.print("&temperature=");
        Serial.println("&temperature=");
        client.print(temperatureData);
        Serial.println(temperatureData);
        client.print(" "); //SPACE BEFORE HTTP/1.1
        client.print("HTTP/1.1");
        client.println();
        client.println("Host: <Your Local IP>");
        client.println("Connection: close");
        client.println();
    } else {
        // if you didn't get a connection to the server:
        Serial.println("connection failed");
    }
}

```

OUTPUT:

localhost / 127.0.0.1 / temphumidnew

phpMyAdmin

Server: 127.0.0.1 » Database: temphumidnew » Table: dht11

Showing rows 0 - 3 (4 total, Query took 0.0024 seconds.)

SELECT * FROM 'dht11'

Options

ID	humidity	temperature	date
1	68	34	2019-04-28 19:34:46
2	58	24	2019-04-28 19:35:19
3	26	34.9	2019-04-28 19:42:58
4	26	34.6	2019-04-28 19:43:13

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Console

Invalid library found in C Invalid library found in C

Arduino\libraries\DHT-sensor

Arduino\Genuine Uno on COM4