# 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:**