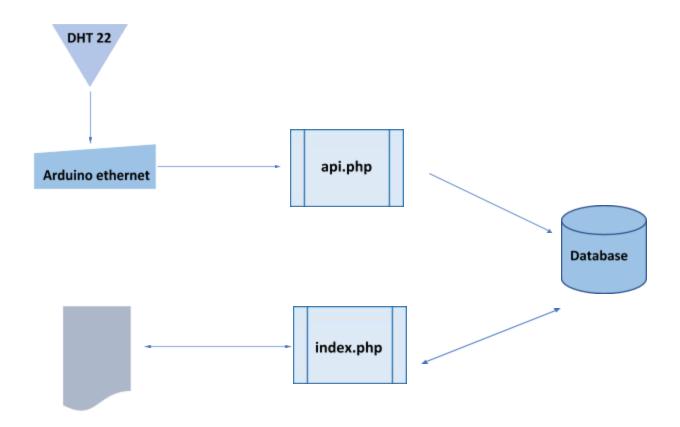
Arduino code:

```
#include <SPI.h>
#include <Ethernet.h>
#include <DHT.h>
#define DHTPIN 7
#define DHTTYPE DHT22 // DHT 22 (AM2302), AM2321
DHT dht (DHTPIN, DHTTYPE);
byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };
char server[] = "www.google.com";
                                   // name address for Google (using DNS)
IPAddress ip(192, 168, 0, 177);
EthernetClient client;
void setup() {
  Serial.begin(9600);
  dht.begin();
  while (!Serial) {
    ; // wait for serial port to connect. Needed for native USB port only
  // start the Ethernet connection:
  if (Ethernet.begin (mac) == 0) {
    Serial.println("Failed to configure Ethernet using DHCP");
    // try to congifure using IP address instead of DHCP:
    Ethernet.begin(mac, ip);
  // give the Ethernet shield a second to initialize:
  delay(1000);
  Serial.println("connecting...");
  // if you get a connection, report back via serial:
}
void loop() {
   delay(60000);
  float h = dht.readHumidity();
  float t = dht.readTemperature();
  Serial.println(h);
  Serial.println(t);
  apiPost(String(h), String(t));
}
void apiPost(String humadity, String temprature ) {
     if (client.connect(server, 80)) {
   Serial.println("connected");
   // Make a HTTP request:
   client.println("GET /api.php?t=" +temprature + "&h=" +humadity + " HTTP/1.1");
   client.println("Host: 34.227.118.133");
   client.println("Connection: close");
   client.println();
   while (client.connected()) {
     while (client.available()) {
       char c = client.read();
     }
   }
   client.stop();
 } else {
   // if you didn't get a connection to the server:
   Serial.println("connection failed");
}
```

The result of the Arduino code (temperature and humidity result)





api.php

Seeing the database table from the console:

```
[ec2-user@ip-172-31-83-3 html]$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 4163
Server version: 5.6.38 MySQL Community Server (GPL)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> use Dashboard;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
```

mysql> show databases; +		
information_schema Dashboard log mysql	my	rsql> show databases;
Dashboard	İ	Database
mysql	Ī	
performance_schema ++		
	 -	performance_schema
5 rows in set (0.00 sec)	5	rows in set (0.00 sec)

```
mysgl> Select * from sensorData;
  id | temperature | humidity | date
                                            | time
  10 | 22.80
                   1 18.50
                                 2018-02-14 | 16:50:42 |
  11 | 22.80
                   1 18.50
                                 2018-02-14 | 16:51:42
                                2018-02-14 | 16:52:43 |
 13 | 22.80
                   | 18.50
                               | 2018-02-14 | 16:53:43 |
                               | 2018-02-14 | 16:54:44 |
 14 | 22.80
                   | 18.50
 15 | 22.80
                   | 18.50
                               | 2018-02-14 | 16:55:44 |
 16 | 22.90
                   1 18.60
                               | 2018-02-14 | 16:56:45 |
 17 | 22.80
                   1 18.50
                               | 2018-02-14 | 16:57:45 |
                   1 18.50
                               | 2018-02-14 | 16:58:46 |
  18 | 22.80
 rows in set (0.00 sec)
```

Index.php code:

```
<div class="container">
 <h2>Hover Rows</h2>
 The .table-hover class enables a hover state on table rows:
 Index
    Humidty
    Temprature
    Date
    Time
   </thead>
   <?php
   foreach($myResult as $ result) {
    echo "" . $_result['id']. "";
     echo "" . $_result['humidity']. "";
     echo "" . $ result['date']. "";
     echo "" . $_result['time']. "";
   </div>
</body>
```

Index.php result:

http://34.227.118.133/index.php

Dashboard

Temperature and Humidity for room C505

Index	Humidty	Temprature	Date	Time
10	22.80	18.50	2018-02-14	16:50:42
11	22.80	18.50	2018-02-14	16:51:42
12	22.80	18.50	2018-02-14	16:52:43
13	22.80	18.50	2018-02-14	16:53:43
14	22.80	18.50	2018-02-14	16:54:44
15	22.80	18.50	2018-02-14	16:55:44
16	22.90	18.60	2018-02-14	16:56:45
17	22.80	18.50	2018-02-14	16:57:45
18	22.80	18.50	2018-02-14	16:58:46
19	22.80	18.50	2018-02-14	16:59:46
20	22.90	18.60	2018-02-14	17:00:47
21	22.80	18.50	2018-02-14	17:01:47