**Control the fans based on the temperature and humidity parameters ( Control led's as an indication of fan)**

#include "DHT.h"

#define DHTPIN 4

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

void setup() {

pinMode(2,OUTPUT);

Serial.begin(9600);

dht.begin();

}

void loop() {

delay(2000);

float h = dht.readHumidity();

float t = dht.readTemperature();

float f = dht.readTemperature(true);

if (isnan(h) || isnan(t)|| isnan(f))

{

Serial.println(F("Failed to read from DHT sensor!"));

return;

}

Serial.print(F("Humidity: "));

Serial.print(h);

Serial.print(F("% Temperature: "));

Serial.print(t);

Serial.print(F("°C "));

Serial.print(f);

if( (h>60.00) && (t>33.00))

{

digitalWrite(2,HIGH);

Serial.println("fans are on");

delay(1000);

}

else

{

digitalWrite(2,LOW);

Serial.println("fans are off");

delay(1000);

}

}

