**LAB EXAM CIA – 2**

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#include <DHTesp.h> // including the libraries

#define dht\_apin D3 // choosing the pin

DHTesp dht; // making the variable

void setup() { // starting the setup function

Serial.begin(9600); // setting the baud rate

delay(500); // setting a time interval

Serial.print("Temperature & Humidity sensor"); //displaying message to the user

Serial.println(); // printing a new line

delay(1000); // setting a delay

dht.setup(dht\_apin,DHTesp::DHT11); //setting up the function with parameters of the pin

}

void loop() {

float temp = dht.getTemperature(); // calling the temperature function

float hum = dht.getHumidity(); // calling the humidity function

Serial.print("Current Temperature is: "); //displaying message to the user

Serial.print(temp); // printing the temperature

Serial.println("C"); //displaying message to the user

Serial.print("Current humidity is: "); //displaying message to the user

Serial.print(hum); // printing the humidity

Serial.println("%"); //displaying message to the user

Serial.println(); // printing a new line

delay(3500); // setting a delay to run the loop again

if(temp>26)

{

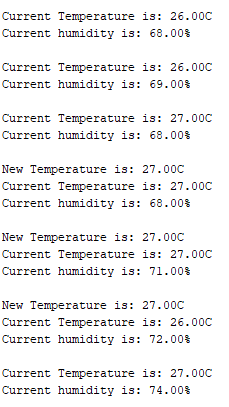
Serial.print("New Temperature is: "); //displaying message to the user

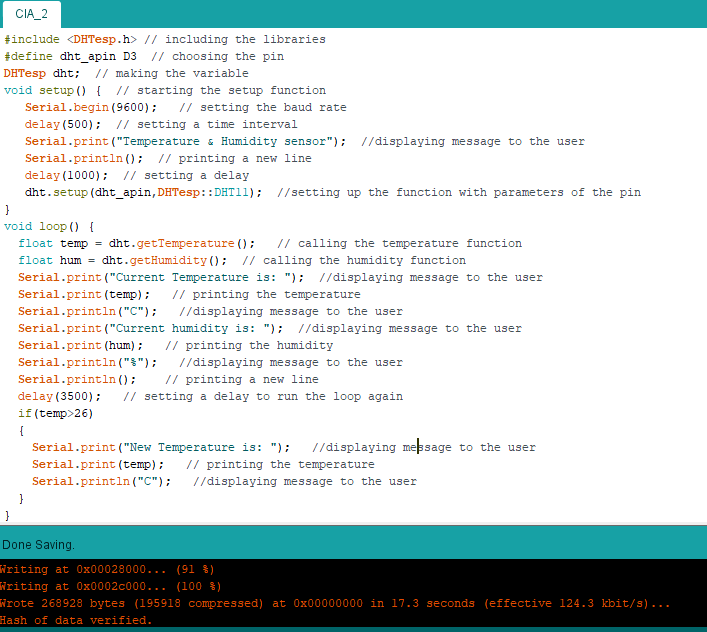
Serial.print(temp); // printing the temperature

Serial.println("C"); //displaying message to the user

}

}





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