**25/09/2019 Lab Exam 1740256~Jeevan Koshy**

**CODE:**

#include <DHTesp.h>

DHTesp dht;

#define dht\_apin D3

int sensorPin = 0;

int led1 = D0;

int led2 = D2;

float sensorValue = 0;

void setup() {

Serial.begin(9600);

delay(1000);

dht.setup(dht\_apin, DHTesp::DHT11);

Serial.println("--------------------------------------------------");

Serial.println("DHT11 Humidity and Temperature Sensor with RGB led");

Serial.println("--------------------------------------------------");

pinMode(led1,OUTPUT);

pinMode(led2,OUTPUT);

}

void loop() {

float temp=dht.getTemperature();

Serial.print("\nCurrent Temperature = ");

Serial.print(temp);

Serial.println(" C");

sensorValue = analogRead(A0);

float value = sensorValue/(1024.0);

Serial.print("The light intensity is: ");

Serial.print(value);

if(temp > 26 && value == 0.03)

{

digitalWrite(led1,LOW);

digitalWrite(led2,HIGH);

delay(100);

}

else

{

digitalWrite(led1,HIGH);

digitalWrite(led2,LOW);

delay(100);

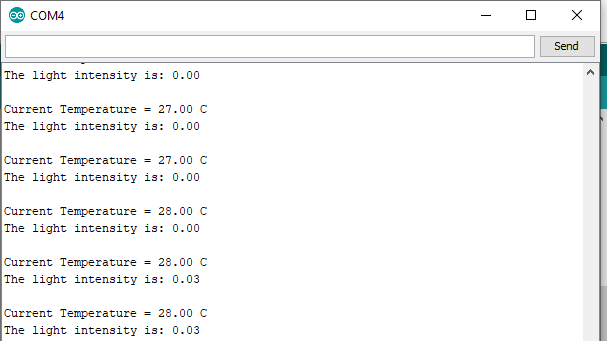
}

Serial.println("");

delay(1500);

}

**OUTPUT:**



**---------------------------------------------------------------------------------------------------------**