#include <DHT.h> //DHT Sensor Library: https://github.com/adafruit/DHT-sensor-library

int DHTPIN=7;

float humidity;

float temperature;

DHT dht(DHTPIN, DHT11);

void setup() {

Serial.begin(9600);

dht.begin();

}

void loop() {

delay(2000);

humidity = dht.readHumidity();

temperature= dht.readTemperature();

Serial.print("Humidity (in %): ");

Serial.println(humidity);

Serial.print("Temperature(in C): ");

Serial.println(temperature);

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

}

#include <HCSR04.h>

UltraSonicDistanceSensor distanceSensor(13, 12); // Initialize sensor that uses digital pins 13(Trig) and 12 (Echo).

void setup () {

Serial.begin(9600); // We initialize serial connection so that we could print values from sensor.

}

void loop () {

// Every 500 miliseconds, do a measurement using the sensor and print the distance in centimeters.

Serial.println(distanceSensor.measureDistanceCm());

delay(500);

}

//https://randomnerdtutorials.com/guide-for-soil-moisture-sensor-yl-69-or-hl-69-with-the-arduino/

int analogPin= A0;

int thresholdValue = 800;

void setup(){

pinMode(analogPin, INPUT);

Serial.begin(9600);

}

void loop() {

int sensorValue = analogRead(analogPin);

Serial.print((String)"Sensor value: "+sensorValue+". ");

if(sensorValue < thresholdValue){

Serial.println("Doesn't need watering.");

}else{

Serial.println("Time to water your plant.");

}

delay(500);

}