//MODIFICAR DONDE APAREZCA \_\_\_

//www.elegoo.com

//2016.12.9

int lightPin = 0;

int LED1 = 9;

int LED2 = 10;

int LED3 = 11;

void setup()

{

pinMode(LED1, OUTPUT);

pinMode(LED2, OUTPUT);

pinMode(LED3, OUTPUT);

Serial.begin(9600);

}

void loop()

{

Serial.println("=================================");

Serial.println("Leyendo LDR...");

int LDR = analogRead(lightPin);

Serial.println(LDR);

if (LDR>151){ //PONER VALOR LDR PARA QUE NO SE ENCIENDA NINGÚN LED

digitalWrite (LED1, LOW );

digitalWrite (LED2, LOW);

digitalWrite (LED3, LOW);

}

if (LDR>100 && LDR<=150){ //PONER VALOR LDR PARA QUE SE ENCIENDA 1 LED

digitalWrite (LED1, HIGH );

digitalWrite (LED2, LOW);

digitalWrite (LED3, LOW);

}

if (LDR>=50 && LDR<=100){ //PONER VALOR LDR PARA QUE SE ENCIENDAN 2 LED

digitalWrite (LED1, HIGH);

digitalWrite (LED2, HIGH);

digitalWrite (LED3, LOW);

}

if (LDR<50){ //PONER VALOR LDR PARA QUE SE ENCIENDAN 3 LED

digitalWrite (LED1, HIGH);

digitalWrite (LED2, HIGH);

digitalWrite (LED3, HIGH);

}

delay(1000);

}