int photocellPin = 0;

int photocellReading;

int LEDpin = 11;

int LEDbrightness;

void setup(void) {

Serial.begin(9600);

}

void loop(void) {

photocellReading = analogRead(photocellPin);

Serial.print("Light reading = ");

Serial.println(photocellReading);

if (photocellReading >=1020)

{LEDbrightness = 255; }

if (photocellReading <=1020)

{LEDbrightness = 0;}

analogWrite(LEDpin, LEDbrightness);

delay(100);

}