const int ledPin = 13; //pin at which LED is connected

const int ldrPin = A0; //pin at which LDR is connected

int threshold = 600;

void setup() {

Serial.begin(9600);

pinMode(ledPin, OUTPUT); //Make LED pin as output

pinMode(ldrPin, INPUT); //Make LDR pin as input

}

void loop()

{

int ldrStatus = analogRead(ldrPin); //saving the analog values received from LDR

if (ldrStatus <= threshold) //set the threshold value below at which the LED will turn on

{ //you can check in the serial monior to get approprite value for your LDR

digitalWrite(ledPin, HIGH); //Turing LED ON

Serial.print("Its DARK, Turn on the LED : ");

Serial.println(ldrStatus);

}

else

{

digitalWrite(ledPin, LOW); //Turing OFF the LED

Serial.print("Its BRIGHT, Turn off the LED : ");

Serial.println(ldrStatus);

}

}