



```
int ledPin=9;

int sensorPin=A0;

//int lightCal;

int lightVal;

void setup()
{
  pinMode(ledPin, OUTPUT);
  pinMode(sensorPin, INPUT);}

void loop()
{
  lightVal = analogRead(sensorPin);
  if (lightVal < 50)
  {
    digitalWrite (ledPin, HIGH); }
  else
  {
    digitalWrite (ledPin, LOW); }}
```