



// C++ code

```
int ldrpin = A0;  
int ledpin = 9;  
int ldrvalue = 0;  
  
void setup(){  
    pinMode(ledpin, OUTPUT);  
    Serial.begin(9600);  
}  
  
void loop(){
```

```
ldrvalue = analogRead(ldrpin);
Serial.print("Light intensity value:");
Serial.println(ldrvalue);

if(ldrvalue < 400 ){
    digitalWrite(ledpin,HIGH);
    Serial.println("status: DARK - LED ON");
}else{
    digitalWrite(ledpin,LOW);
    Serial.println("status: BRIGHT - LED OFF");
}
delay(500);
}
```