



// 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);
```

```
}
```