



```
#include  
<Servo.h>
```

```
int sensorValue;                //value of potentiometer, 0 - 1023  
int analogInPin = A0; //Arduino pin connected to potentiometer  
int analogOutPin = 6;          //Arduino pin connected to LED  
  
Servo myLED;                    //LED controlled by servo library  
  
void setup(){  
}  
  
void loop(){  
    sensorValue = analogRead(analogInPin);  
    sensorValue = map(sensorValue, 0, 1023, 0, 255); //analogRead ranges  
    from 0 to 1023; analogWrite ranges from 0 to 255; this maps the sensorValue  
    to the lower output range  
    analogWrite(analogOutPin,sensorValue);  
}
```