with Pot. LED Fading

```
void setup()
{
    Serial.begin(9600);
    pinMode(9, output);
}
void loop()
{
    int analog = analogRead(A0);
    int brightness = map(analog, 0,1023, 0, 255);
    analogWrite(9, brightness);
    Serial.print(" In analog value");
```

```
serial.print (analog);
serial.print ("\n brightness value");
Serial.print (brightness);
}
```