

```
int sensorValue = 0;
void setup()
{

    pinMode(9, OUTPUT);
    Serial.begin(9600);
    pinMode(A0, INPUT);

}
void loop()
{
    sensorValue=analogRead(A0);
    Serial.println(sensorValue);

    analogWrite(9, map(sensorValue, 0, 1023, 0, 255));

    delay(100);
}
```