

Exp 8

```
int sensorValue = 0;
int outputValue = 0;
void setup() {
  pinMode(A0, INPUT);
  pinMode(9, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  sensorValue = analogRead(A0);
  outputValue = map(sensorValue,0,1023, 0, 255);
  analogWrite(9,outputValue);
  Serial.print("sensor = ");
  Serial.print(sensorValue);
  Serial.println("output = ");
  Serial.print(outputValue);

  delay(2);
}
```