

```
void setup()
{
    Serial.begin(115200);
    pinMode(13,OUTPUT);
}
void loop()

{
    int AN0 = analogRead(A0);
    float V = AN0*5.0/1023;
    float percent = AN0*100.0/1023;
    Serial.print(V);
    Serial.print(",");
    Serial.print(percent);
    Serial.print(",");
    Serial.println(AN0);

    int n,m;
    digitalWrite(13,1);
    for(n=0;n<percent;n++);
    {
        delayMicroseconds(100);
    }
    digitalWrite(13,1);
    for(m=percent;m<100;m++);
    {
        delayMicroseconds(100);
    }
}
```