

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

}
```