

```
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);
  }
}
```