

```
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);
  }
}
```