

```
int n,i;

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

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

    for(n=0;n<AN0/10;n++)
    {
        digitalWrite(13,1);
        delayMicroseconds(20);
    }

    for(n=102;n>AN0/10;n--)
    {
        digitalWrite(13,0);
        delayMicroseconds(20);
    }

}
```