1 Interrupt.ino

```
using attachInterrupt(), count the number of times a signal on Digital
   // Pin 2 goes low (OV).
   // Next, print the number of times that have gone low
   // First, init global variables
   // Since count values are not ever going to be negative, use unsigned ints
   volatile unsigned int count = 0; // for the ISR
   volatile unsigned int last_count = 0;
      This is a software debounce to prevent the values from blowing up
   volatile short trig = 1;
10
11
   void setup()
12
13
     Serial.begin(9600);
14
     pinMode(2,INPUT_PULLUP);
15
     //(interrupt, function, PINMODE)
16
     attachInterrupt(0,pin2_ISR,FALLING);
17
   }
18
19
   // Now, here is the Interrupt Service Routine (ISR) for Pin 2
20
   void pin2_ISR(){
21
     if(trig){
22
     count++;
23
     // By setting trig to zero (false), this acts as a software debounce
24
     trig=0;
25
26
27
28
   void loop()
29
30
     if(!trig){
31
       last_count = count;
32
       Serial.println(last_count);
33
       delay(100);
34
       // Allow trigger to run again
35
       trig=1;
36
       }
37
38
```