leeassam / **arduino-bootcamp**   Public

| Code | Issues | Pull requests | Actions | Projects | Wiki | Security | Insights |

master ▾

···

arduino-bootcamp / Simple_LED_Game / Interrupt / **Interrupt.ino**

Lee Assam First commit   ↺

👥 **0** contributors

37 lines (29 sloc) | 759 Bytes   ···

```
 1   /*
 2     Arduino Bootcamp
 3
 4     - LED Reaction Game - Interrupt Demo - Part 1
 5
 6     This circuit demonstrates how to setup and the execution of an interrupt.
 7
 8     When a switch that is connected to interrupt pin 2 is pressed, it fires and interrupt which t
 9
10     created 10/30/2016
11     modified 10/30/2016
12     by: Lee Assam
13
14   */
15   const int ledPin = 13;
16   const int inputPin = 2;
17
18   void setup() {
19     pinMode(ledPin, OUTPUT);
20     //Attach the interrupt
21     pinMode(inputPin, INPUT_PULLUP);
22     attachInterrupt(0, buttonPressed, FALLING);
23     Serial.begin(9600);
24   }
25
26   void loop()
27   { //nothing to perform here
28   }
29
30   void buttonPressed()
31   {
32     Serial.println("Interrupt Occurred");
```

```
33     if (digitalRead(ledPin))
34       digitalWrite(ledPin, LOW);
35     else
36       digitalWrite(ledPin, HIGH);
37   }
```