Loop led

```
/*
  For Loop Iteration

 Demonstrates the use of a for() loop.
 Lights multiple LEDs in sequence, then in reverse.

 The circuit:
 * LEDs from pins 2 through 7 to ground


This example code is in the public domain.

 http://www.arduino.cc/en/Tutorial/ForLoop
 */

int timer = 100;            // The higher the number, the slower the
timing.

void setup() {
  // use a for loop to initialize each pin as an output:
  for (int thisPin = 2; thisPin < 8; thisPin++)  {
    pinMode(thisPin, OUTPUT);
  }
}


void loop() {
  // loop from the lowest pin to the highest:
  for (int thisPin = 2; thisPin < 8; thisPin++) {
    // turn the pin on:
    digitalWrite(thisPin, HIGH);
    delay(timer);
    // turn the pin off:
    digitalWrite(thisPin, LOW);
  }

  // loop from the highest pin to the lowest:
  for (int thisPin = 7; thisPin >= 2; thisPin--) {
    // turn the pin on:
    digitalWrite(thisPin, HIGH);
    delay(timer);
    // turn the pin off:
    digitalWrite(thisPin, LOW);
  }
}
```
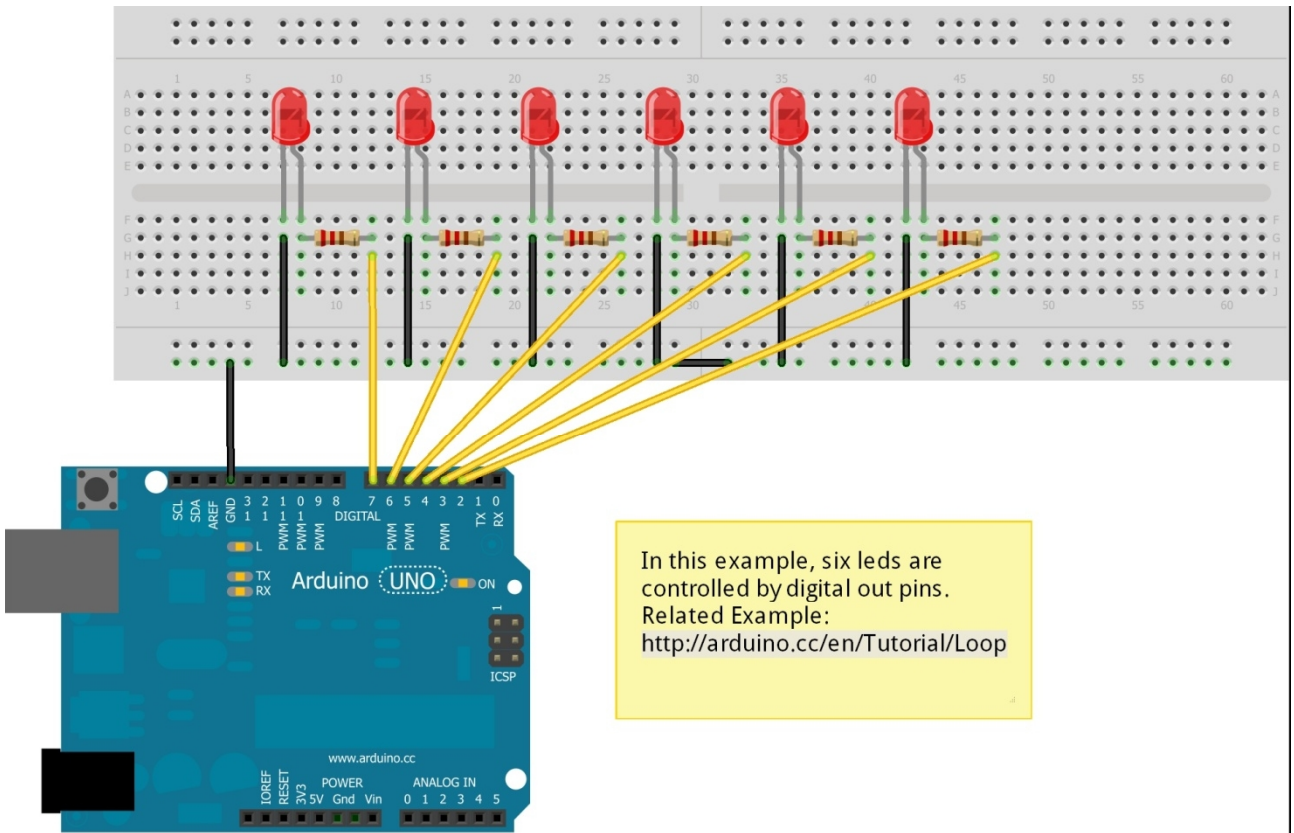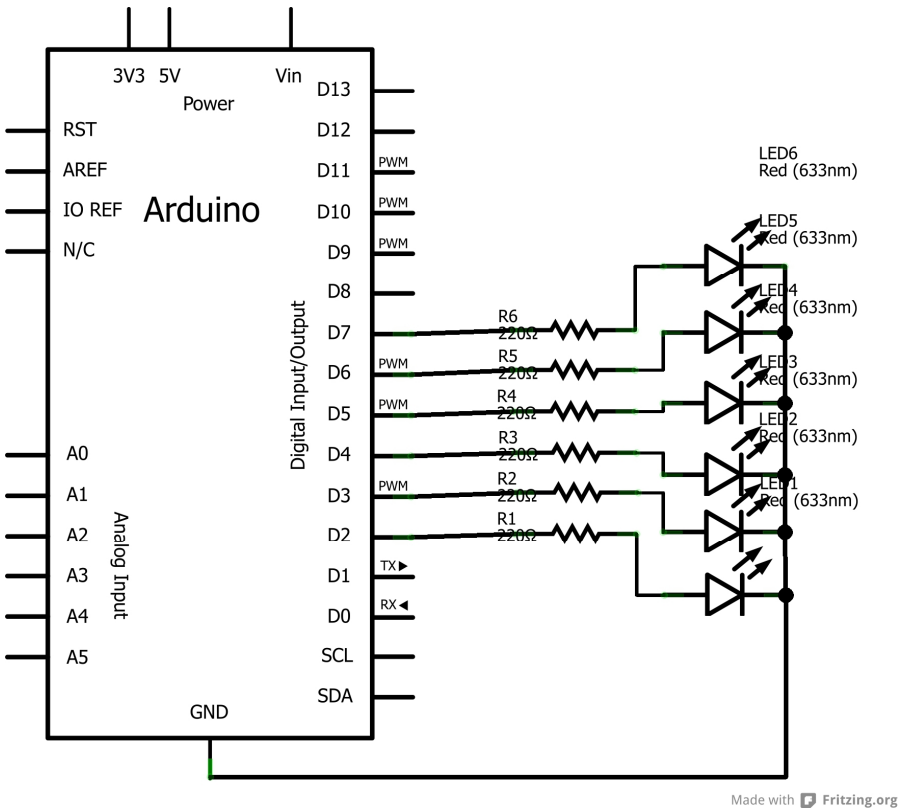
In this example, six leds are controlled by digital out pins.
Related Example:
http://arduino.cc/en/Tutorial/Loop

Made with Fritzing.org

Made with Fritzing.org