LED trailing effects
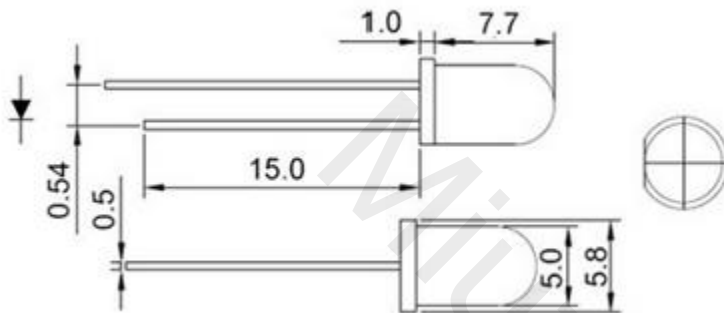
★ **Overview**

This example shows 8 LED trailing effects.
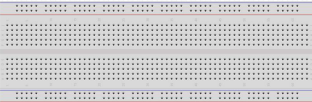
★ **Specification**

★ **Pin definition**

LED	Arduino
Long pin	->+5V
Short pin	->GND

★ **Hardware required**

Material diagram	Material name	Number
	220/330Ω resistor	6
	LED	6
	USB Cable	1
	UNO R3	1
	Breadboard	1
	Jumper wires	Several

Connection

★ **Schematic**

★ Connection diagram

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Connection
LED1 -> D2
LED2 -> D3
LED3 -> D4
LED4 -> D5
LED5 -> D6
LED6 -> D7
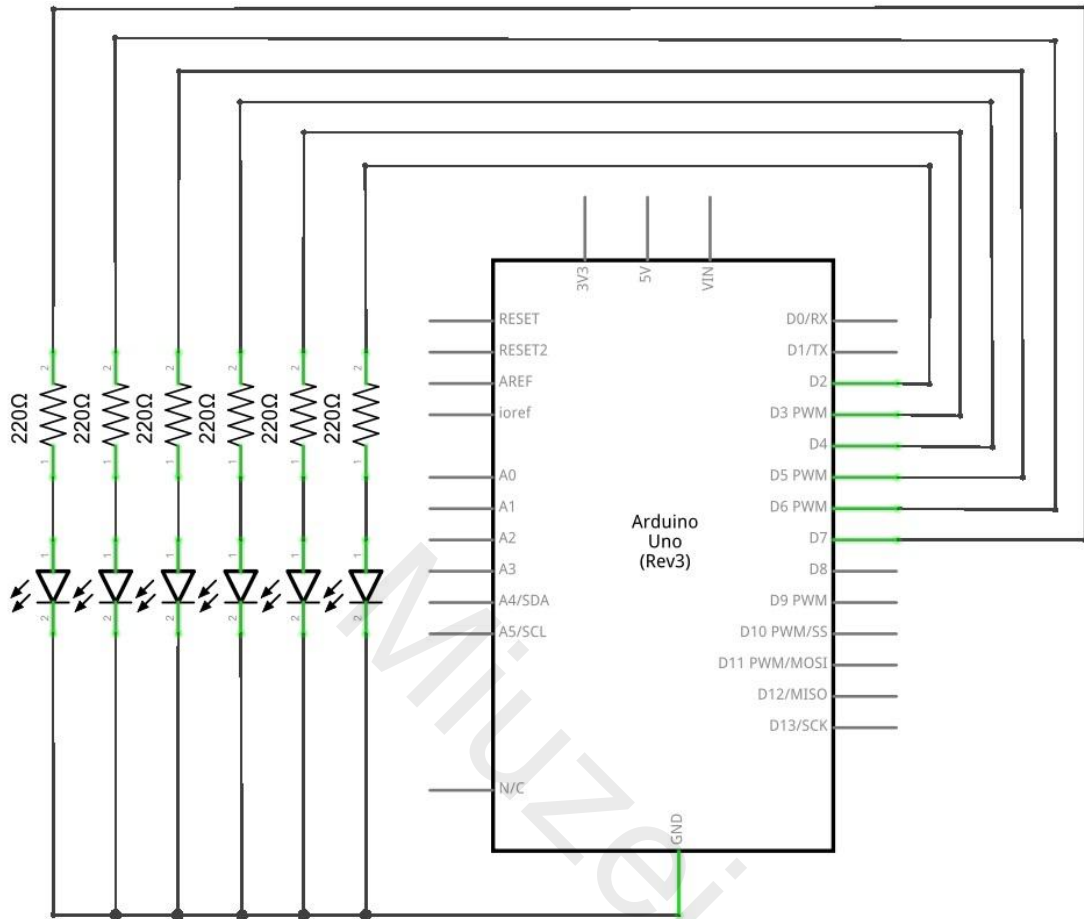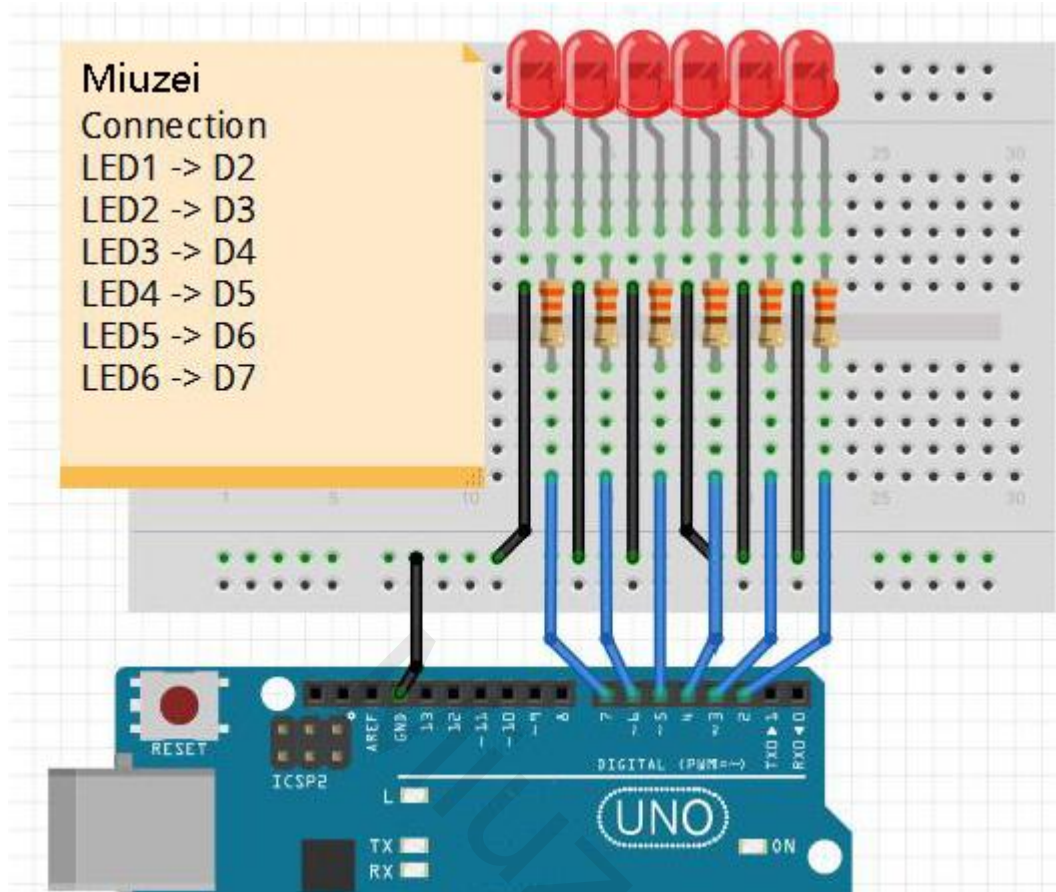
Note：The longest LED of the pin is connected to the digital signal port *(D*).

★ **Sample code**

Note : sample code under the **Sample code** folder

```
int BASE = 2;
int NUM = 6;
void setup()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
        pinMode(i, OUTPUT);      //set port 'i' as an output port
    }
}
void loop()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
    digitalWrite(i, LOW);
    delay(200);
    }
    for (int i = BASE; i < BASE + NUM; i ++)
    {
    digitalWrite(i, HIGH);
    delay(200);
    }
}
```

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★ **Example picture**
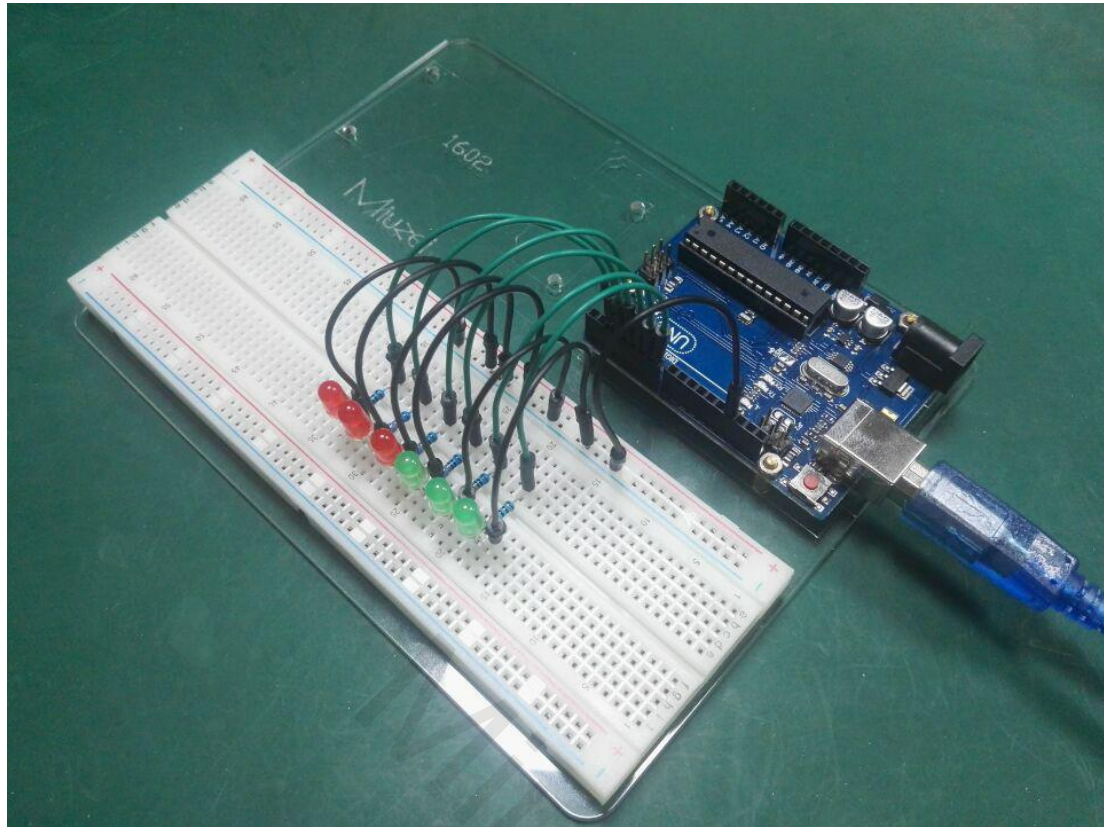
★ Language reference

Tips : click on the following name to jump to the web page.
If you fail to open, use the Adobe reader to open this document.
int
pinMode()
OUTPUT
for()
HIGH
LOW
digitalWrite()
delay()

★ Application effect

You'll see all the LEDs will turn on/off regularly.

About Miuzei:

Miuzei found in 2011 , which is a professional manufacturer and exporter that concerned with open-source hardware research & product development, We have more than hundred engineers devote to developing open source hardware like Arduino, Raspberry pi ,3d printers , robots.

Miuzei committed to make more creative open source products and provide richer knowledge for enthusiasts worldwide.   No matter what your ideas are, we provide various mechanical parts and electronic modules to turn your ideas into success.

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