

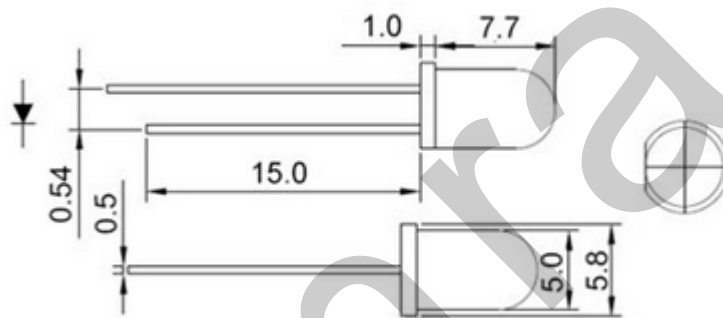
LED trailing effects

Overview



This example shows 8 LED trailing effects.






Specification



Pin definition

LED UNO R3
 Long pin -> +5V
 Short pin -> GND

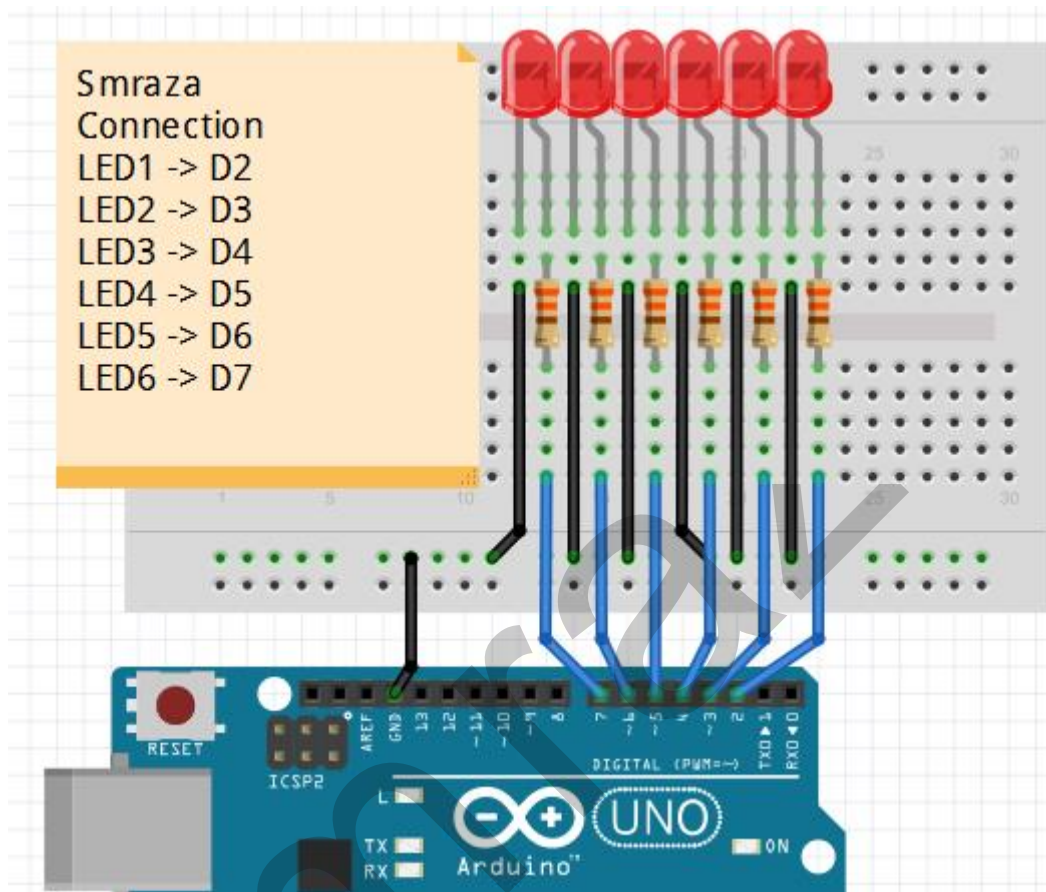
Hardware required

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

V1.0

	Jumper wires	Several
---	--------------	---------

Connection diagram



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()
{
```

V1.0

```
for (int i = BASE; i < BASE + NUM; i ++)  
{  
    digitalWrite(i, LOW);      // Turn OFF the I/O board LED  
    delay(200);  
}  
for (int i = BASE; i < BASE + NUM; i ++)  
{  
    digitalWrite(i, HIGH);     // Turn ON the I/O board LED  
    delay(200);  
}  
}
```

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.