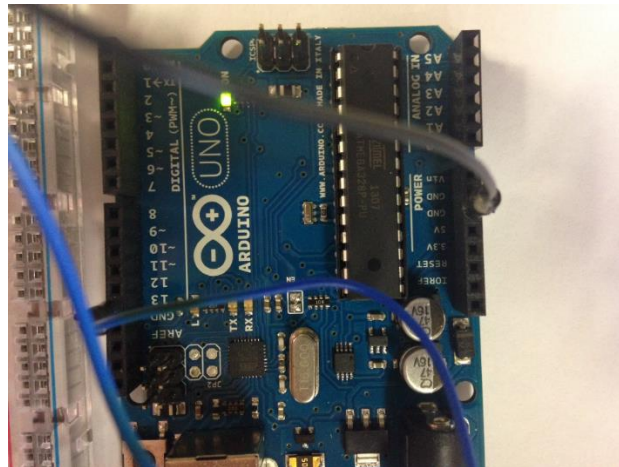
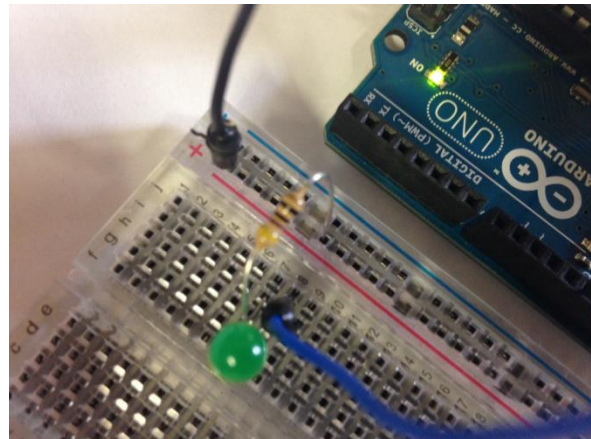
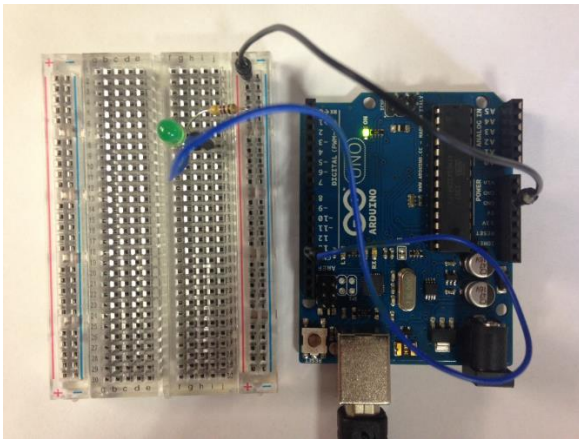


Arduino Project 1: Blinking LED

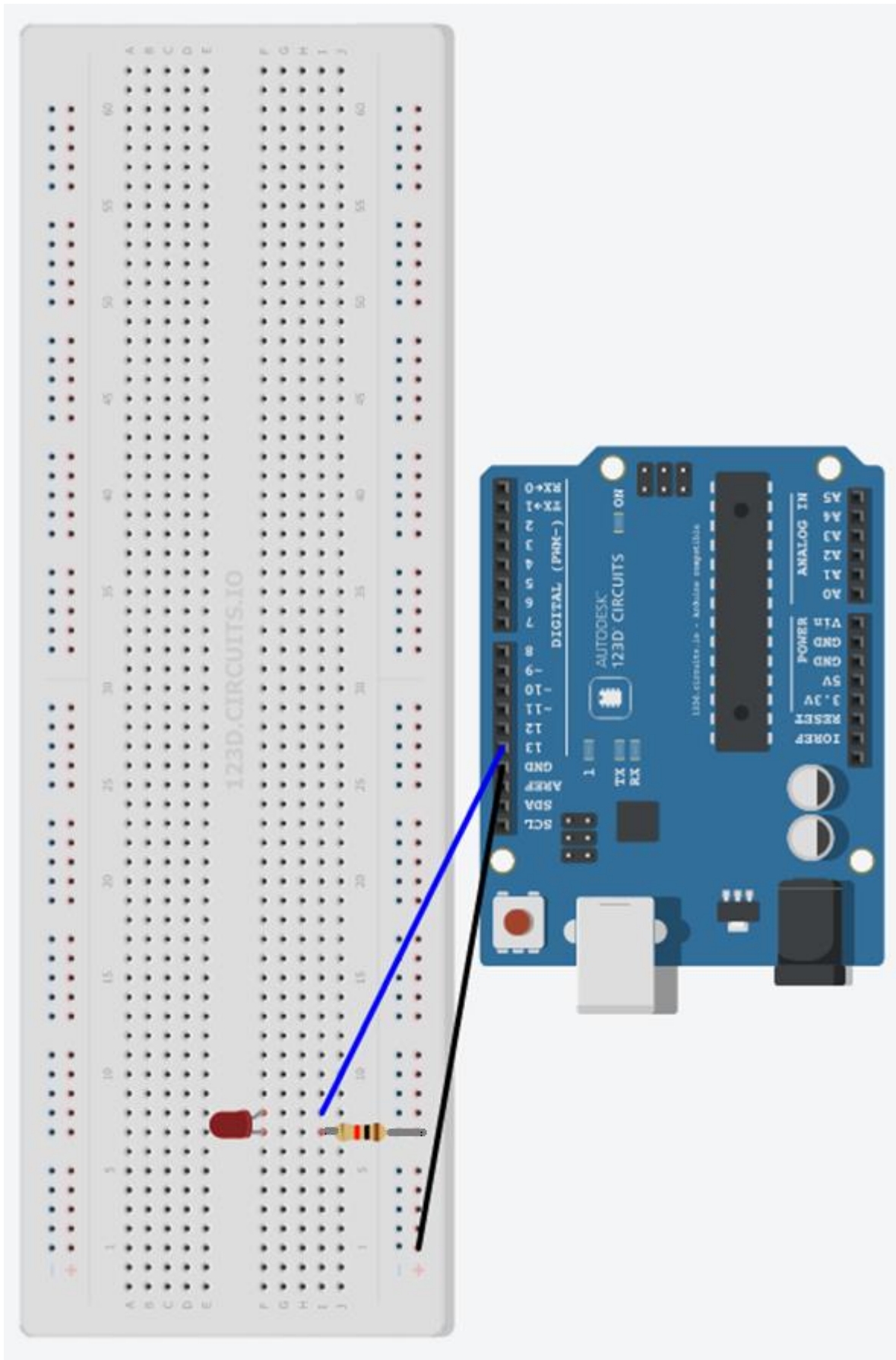
What you need:

- 1 x Arduino Uno or compatible board
- 1 x LED (red, green, or any other colour)
- 1 x 470 Ohm resistor (yellow-violet-black-black-brown, or yellow-violet-brown-gold)
- 1 x Solderless breadboard
- 2 x jumper wires

Photos



Diagram



Code

Use the Arduino IDE to write this code, verify it and then upload it to the Arduino board.

```
Blink §  
/*  
  Blink  
  Turns on an LED on for one second, then off for one second, repeatedly.  
  
*/  
  
// Pin 13 has an LED connected on most Arduino boards.  
// give it a name:  
int led = 13;  
  
// the setup routine runs once when you press reset:  
void setup() {  
  // initialize the digital pin as an output.  
  pinMode(led, OUTPUT);  
}  
  
// the loop routine runs over and over again forever:  
void loop() {  
  digitalWrite(led, HIGH); // turn the LED on (HIGH is the voltage level)  
  delay(1000);             // wait for a second  
  digitalWrite(led, LOW);  // turn the LED off by making the voltage LOW  
  delay(1000);             // wait for a second  
}
```