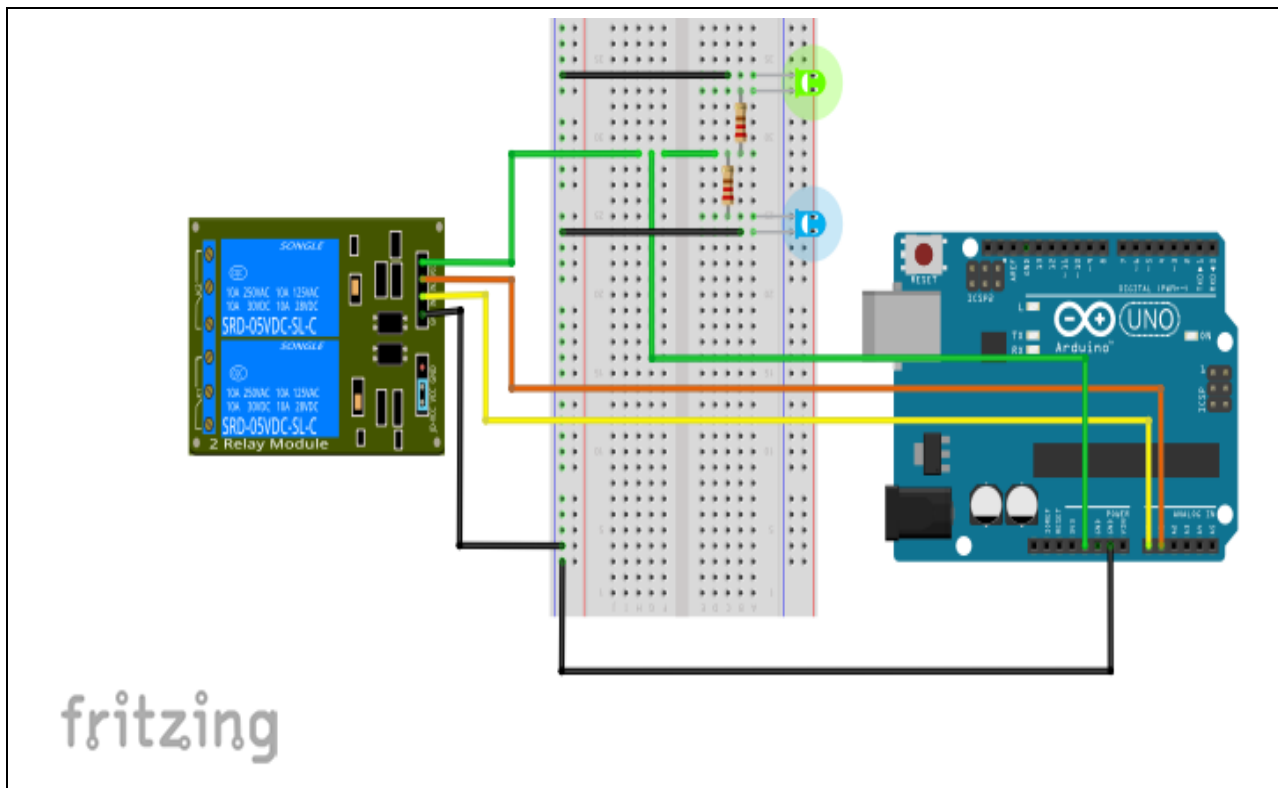## Application1: Arduino with Songle 2-Channel 5VDC Relay Module

This tutorial is for connecting your Arduino to a 2 Channel relay module by using the Arduino sketch to control the switches.
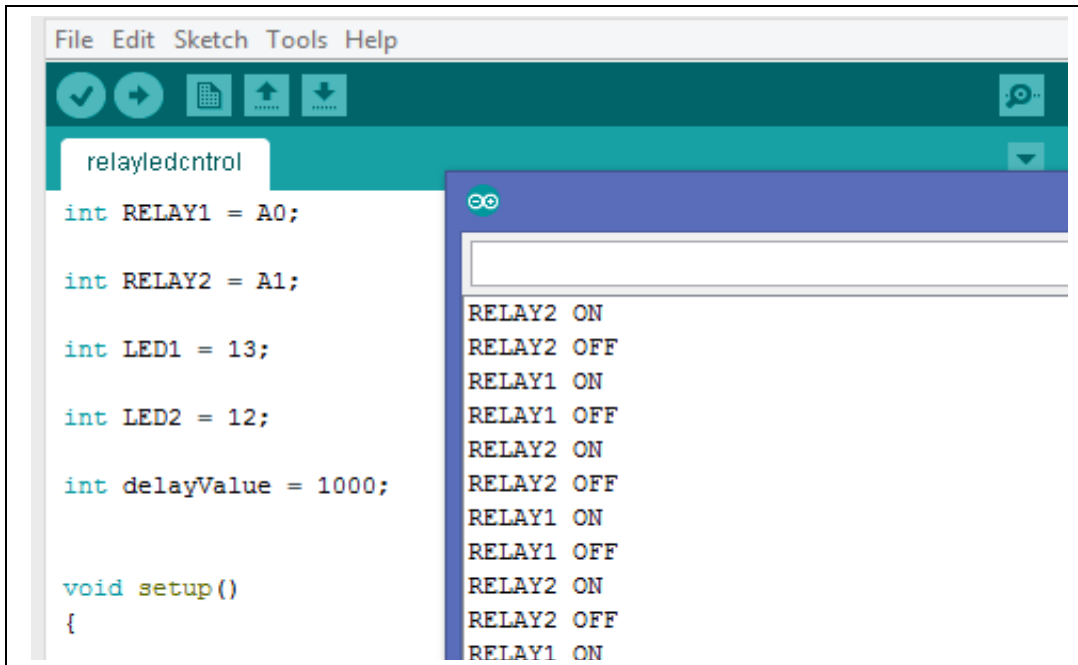
Component needed:
- Arduino UNO
- Songle 2-Channel 5VDC Relay Module
- 2 LED
- 2 220 ohm resistors
- Some jumpers wire

Connection:

Arduino	Relay	Arduino	LED1, LED2, RES1, RES2
Relay GND---------------->> Arduino GND		GND------------------->> (-VE LED1 & -VE LED2)	
Relay IN1 ---------------->> Arduino A0		5V---------------------->> (RES1 & RES2)	
Relay IN2 ---------------->> Arduino A1			
Relay VCC---------------->> Arduino 5V			

1. Connect the relay, resistor and LED to the Arduino UNO. Please ensure the resistor 1 and resistor 2 is connected parallel to LED 1 and LED 2 respectively.
2. After that, upload the sketch in the Arduino IDE.
3. Then, open your serial monitor. Observe this information below in your serial monitor.

Conclusion:

When the first relay is on, the blue LED will lights up and the white LED is off. It is vice versa for the second relay.