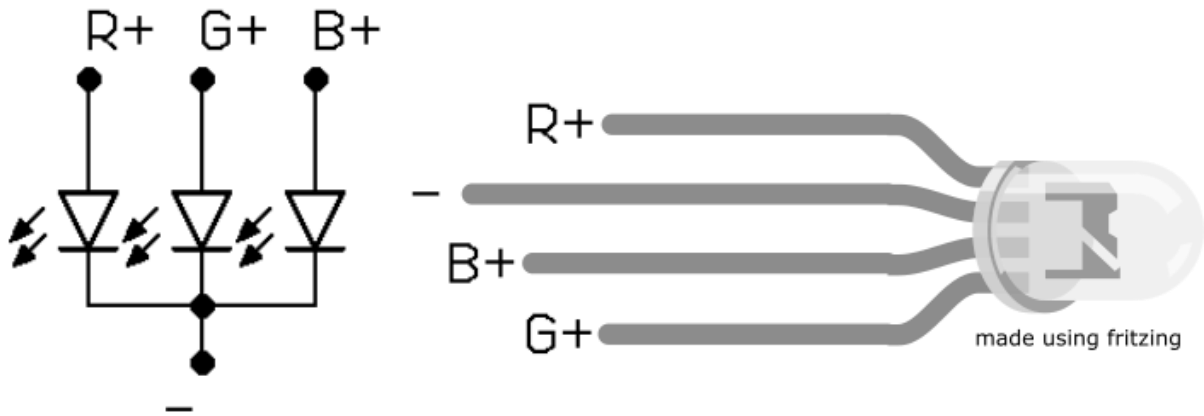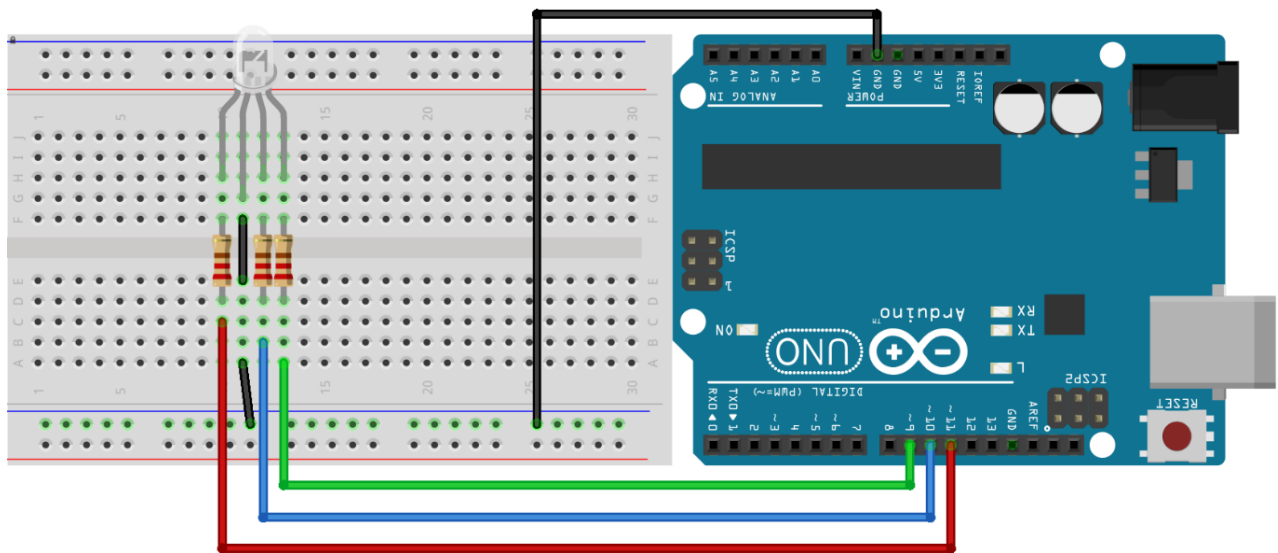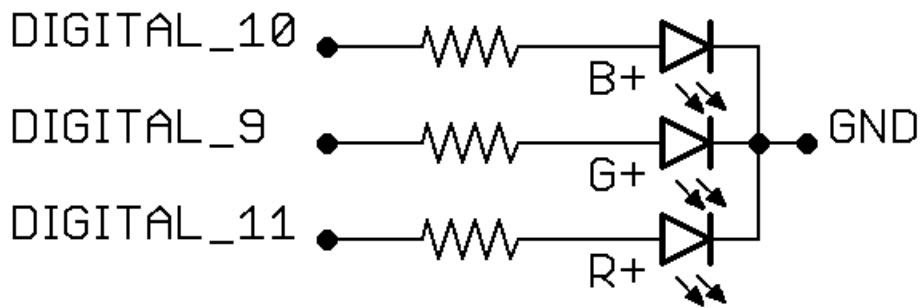# Activity 3 – RGB LEDs Using Arduino

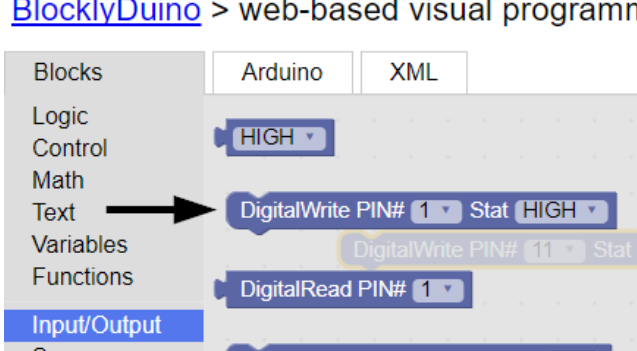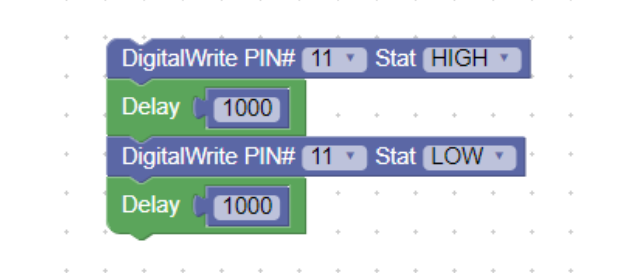We are going to use the Arduino to control three colours in a single LED: Red, Green, and Blue.

Circuit Diagram and Breadboard

Programming the Arduino UNO using BlocklyDuino

We want to make a program that will blink each colour, first RED, then GREEN, then BLUE. To do this we will use the DigitalWrite and Delay functions

	DigitalWrite allows us to set a pin as HIGH (5V) or LOW (0V)
	Delay will make the Arduino wait for a number of milliseconds. There are 1000 milliseconds in one second.
	This program will blink a single LED attached to pin 11. How can we change this to blink three lights?

When you are ready to upload the program to the Arduino, ask for help.

Ideas, Questions, Notes