

# EXPERIMENT 2

## Objectives

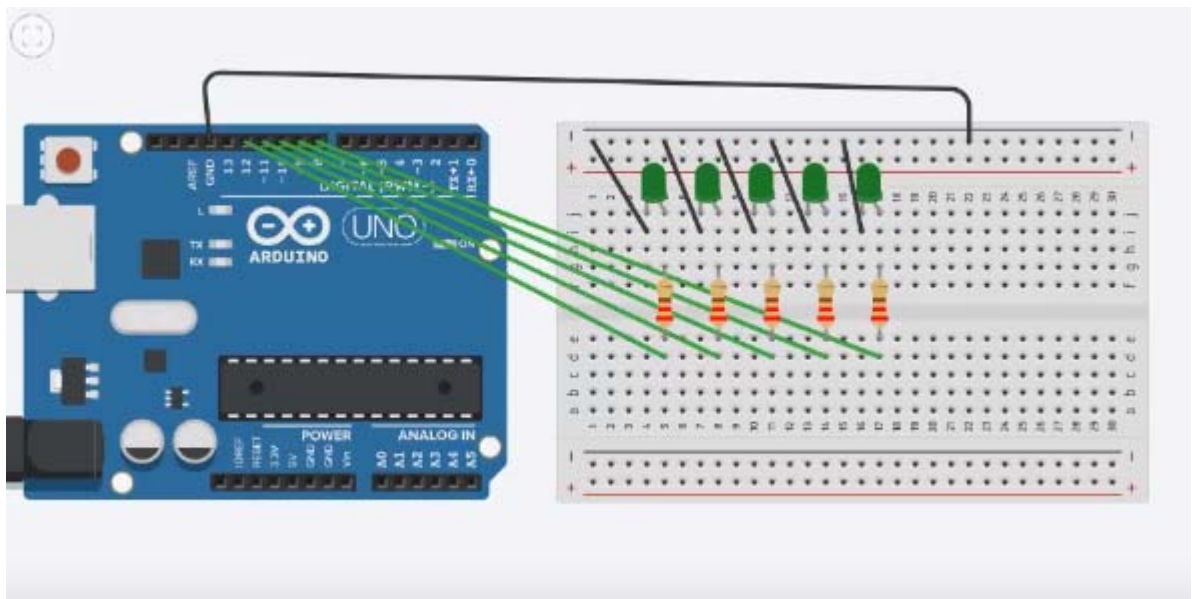
The objective of this experiment is defining multiple digital outputs using multiple components.

## List of Components

- Arduino
- Multimeter
- Resistor x 5
- LED x 5
- Breadboard

## Instructions

- 1- Build the circuit below called *Led Chaser*. Then write the Arduino code that will turn on each LED one by one from left to right and then right to left continuously. Note that at each time, only one of the LEDs must be ON.



## Measurements and Discussions

- 1- Change the speed of blinking.
- 2- Depending on your resistors, what are the currents flowing on each LED?

Resistor					
Current					

- 3- Try to blink the LEDs using for loop and while loop.