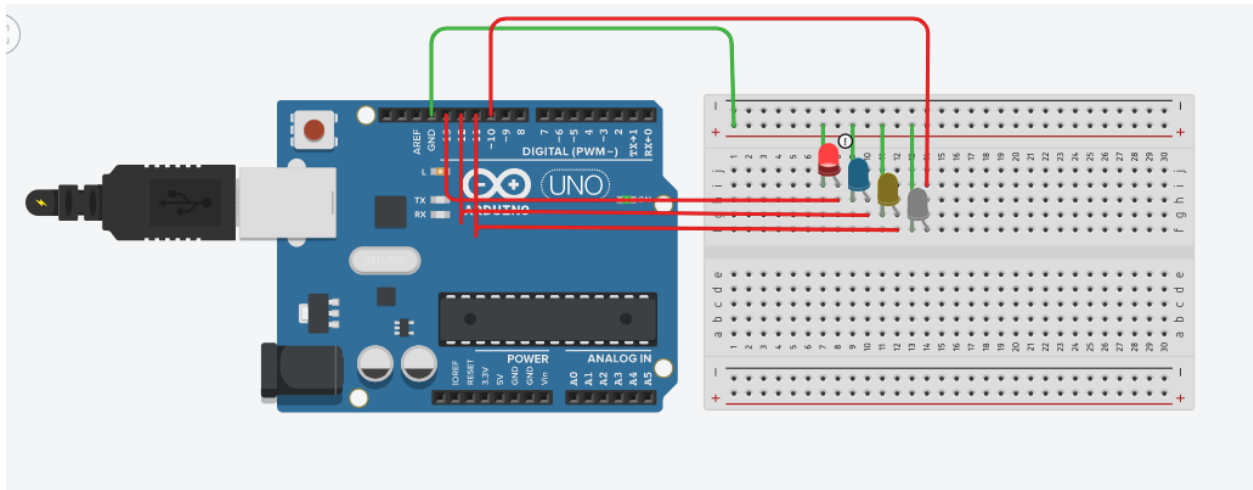


# EXPERIMENT 2

## DESIGN AN LED Chaser.

Circuit diagram:



## Theory:

### CONCEPT USED:

- By using kirchoff's voltage law  
&
- By using kirchoff's current law
- Series or parallel connections

### LEARNING AND OBSERVATIONS:

- Connections in Breadboard and wiring.
- How to control arduino and its coding.
- Use of multimeter for continuity.

## **OBSERVATION:**

- Blinking of leds in a pattern and in chasing form.
- Relation between software and hardware.

## **PROBLEMS & TROUBLESHOOTING:**

- To select the right port and type of arduino
- To check the loose connections
- To check the connections according to the codes
- To check the continuity of the circuit
- To check the flow of current in the circuit

## **PRECAUTIONS:**

- Handle tools carefully
- Wear gloves
- Do not connect arduino till the circuit is complete

## **OUTCOMES:**

- LEDs glows in a chasing pattern
- It can be used as for decorating purpose

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