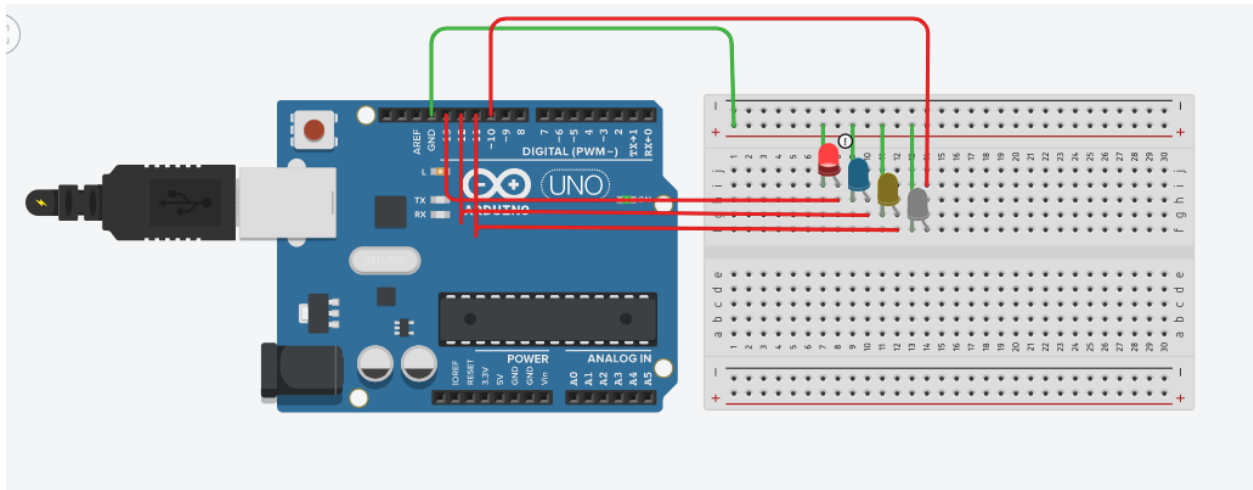


EXPERIMENT 2

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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