

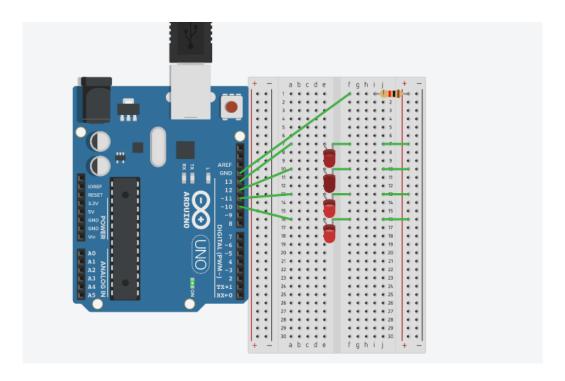
# DESIGN AN LED CHASER

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## **Experiment 2**

### **Circuit Diagram:**



## **Theory:**

#### **Concept Used:**

- Kirchhoff's Voltage Law
- Kirchhoff's Current Law
- Series & Parallel Connections

#### **Learning and Observation:**

#### Learning:

• Connections in Breadboard & Wiring

- Making Circuits with Arduino Coding
- Use of Multimeter for continuity

#### **Observations:**

• Blinking of LEDs in a chasing form

### **Problems and Troubleshooting:**

- Select right port and Arduino type
- Check for loose connections
- Check the continuity of the circuit

#### **Precautions:**

- Don't connect Arduino till the circuit is complete
- Make sure the LEDs are workable

#### **Learning Outcomes:**

LEDs glow in a chasing pattern