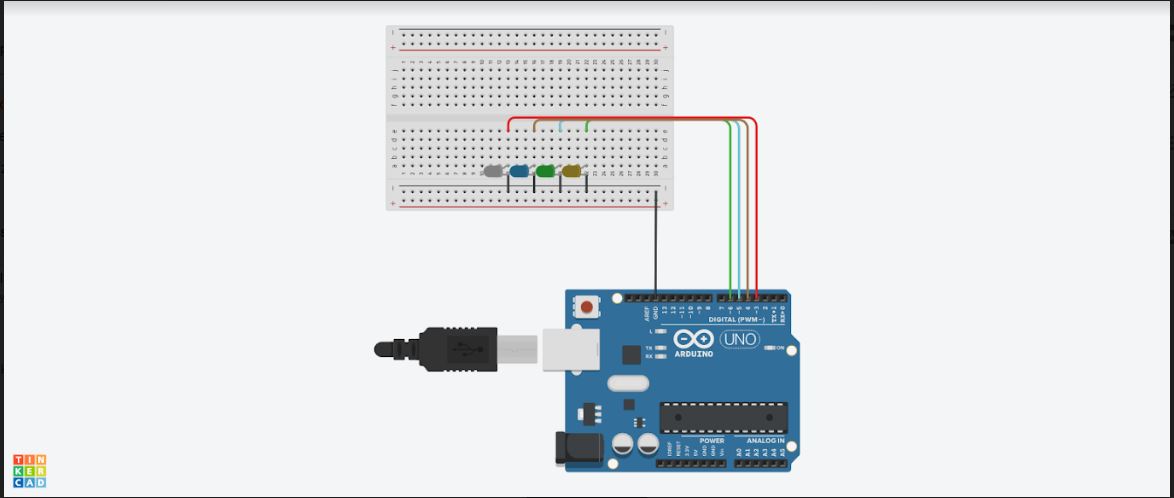
**EXPERIMENT-2**

**DESIGN AN LED CHASER**

**Circuit diagram:**

****

**THEORY**

**Concepts used:** 1. Ohms law

2. Circuit completion

3. Arduino ide

4. Use of breadboard

**Learning and Observations:**

1. Need of resistance

2. Led forward biasing

3. Appropriate value of resistance

4. Error free adruino code

5. proper connection of wires

**Problems and Troubleshooting:**

|  |
| --- |
|  |
| You should take care whether the board in the Arduino\UNO or not and also selection of port in tools. |
|  |

**Precautions:**

|  |
| --- |
| While installing LED in bread board we should take care whether the terminals of LED connected or not. The two terminals should not be connected. Wires should be properly installed. Make sure resistance is connected. Arduino isn’t corrupt. |
|  |  |

**Learning Outcomes:**

We learn to make an LED flash with the help of Arduino. No battery source is connected to the circuit because arduino provides sufficient energy for flashing the LED