Evaluation

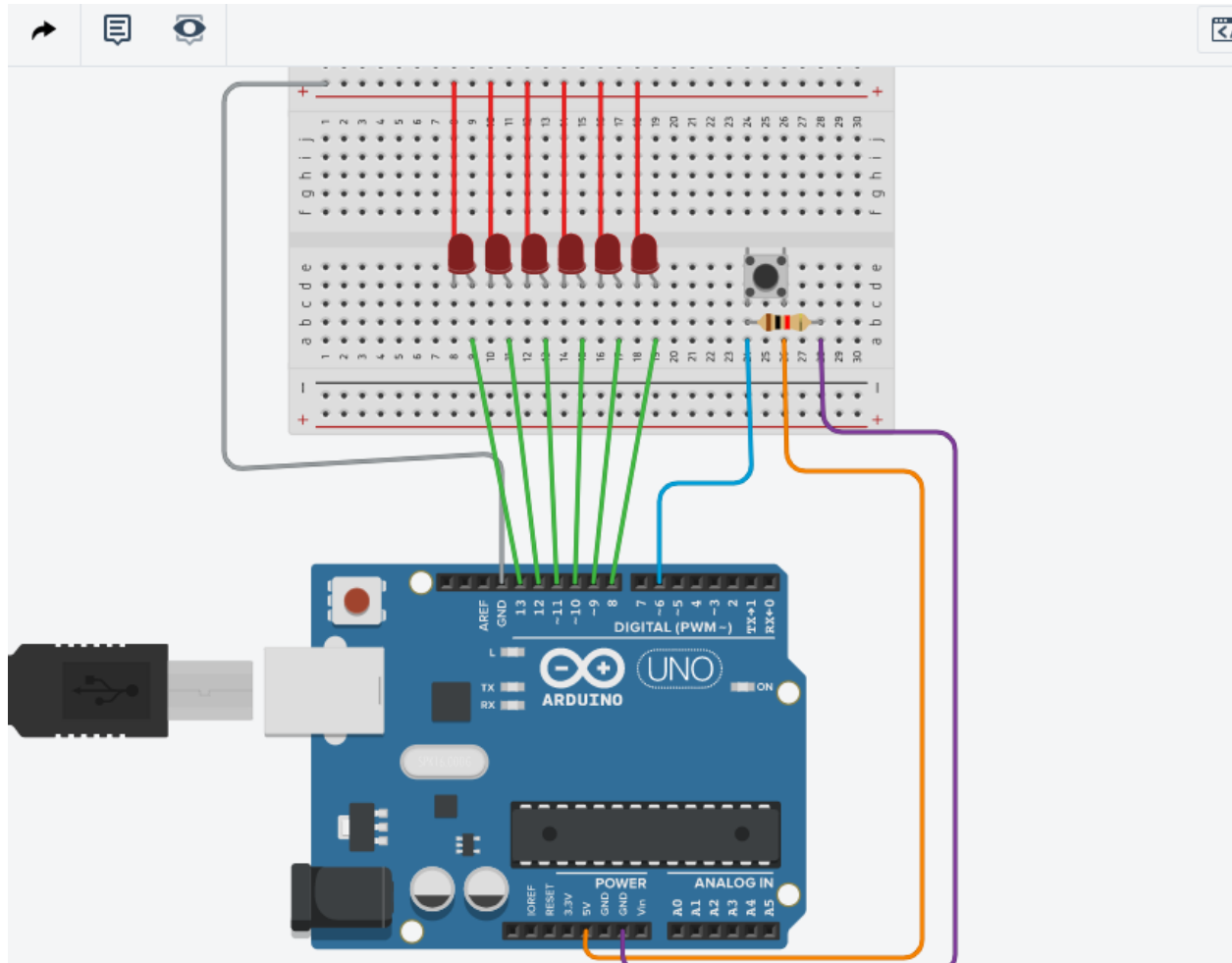## Circuit Diagram

Theory

Concepts Used

1. Interfacing of LEDs with Arduino.

2. Interfacing of a pushbutton with Arduino.

3. Why ground is mandatory?

4. Algorithm for switching between light patterns.

Learning and Observations

1. Working of an LED

2. Connecting terminals of a push button with Arduino
3. Providing a pathway for the small voltage released by Arduino via ground.
4. A mere effect of 100-200 millisecond in delay statement can cause observable change.

Precautions

1. Always ensure the port you're uploading to is never named COM2.

Learning Outcomes

I can now design different Diwali light pattern