Mini-Project: Count to 7 (in Binary!)

Create a system that counts at the click of a button from 0 to 7 in binary, using 3 LEDs as a 3-bit number.

Suggested Prerequisites

- Programming Intro
- Conditional Statements
- Functions
- Loops

Specification

- Arrange the LEDs in a line, so that you can read the states of the LEDs from left to right.
- The numbers 0 through 7 should be displayed in binary. The following link may help.
  - [https://learn.sparkfun.com/tutorials/binary#counting-and-converting](https://learn.sparkfun.com/tutorials/binary#counting-and-converting)
- An LED that is ON should be read as a “1” in binary, and similarly, an LED that is OFF is “0”.
- The system should increment when a button is pressed. The counting should restart at “0” when “7” is passed.