



BUZZER

DIGITAL TRUMPET

SIMON SAYS® GAME

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PROJECT 2

In Project 2, you will venture into the world of **buttons** and **buzzers** while building your own “Simon Says” game! “Simon Says” is a game in which the LEDs flash a pattern of red, green, yellow and blue blinks, and the user must recreate the pattern using color-coded buttons before the timer runs out.

NEW COMPONENTS INTRODUCED IN THIS PROJECT

- BUZZER
- BUTTONS

NEW CONCEPTS INTRODUCED IN THIS PROJECT

- ARRAYS
- BINARY
- DIGITAL INPUTS
- PULL-UP RESISTORS
- FOR LOOPS
- MEASURING ELAPSED TIME

YOU WILL LEARN

- HOW TO MAKE TONES WITH A BUZZER
- HOW TO READ A BUTTON USING DIGITAL INPUTS
- HOW TO PROGRAM A GAME