

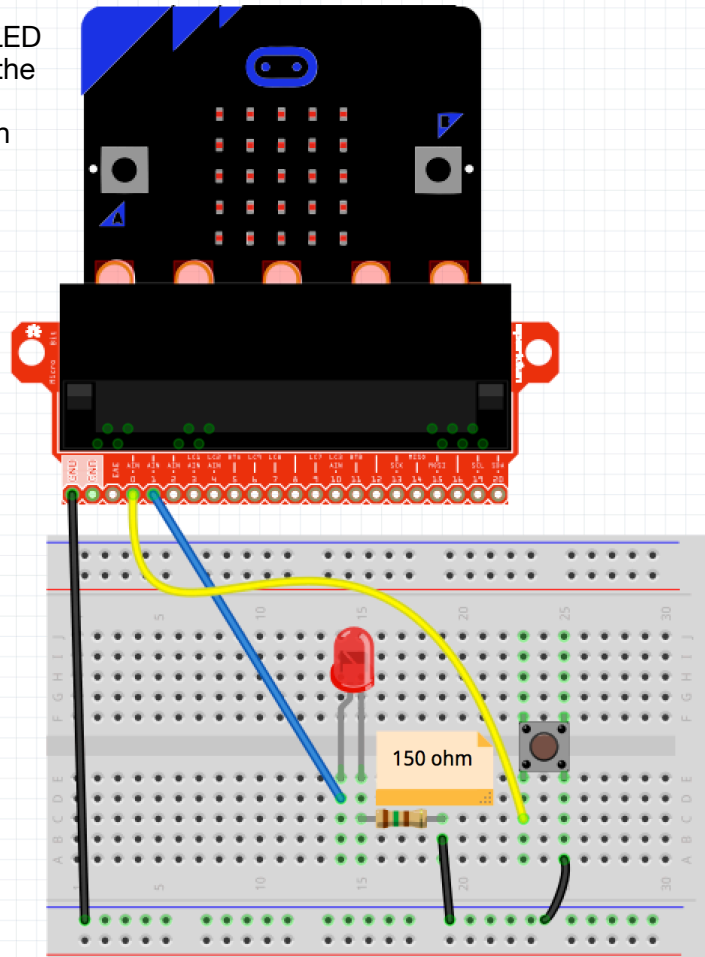
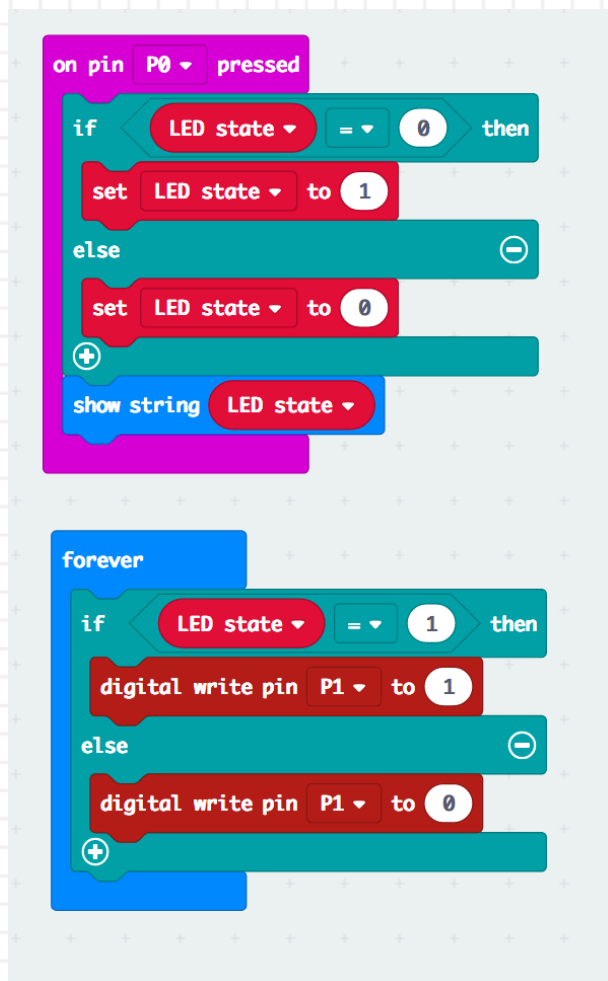
## Lighting an LED with a Button Switch

Materials: Micro:bit, Breakout, Breadboard, LED, 150 ohm resistor, Button Switch, connectors.

- Connect the micro:bit to the breakout
- Connect the breakout to the breadboard
- Connect GND to the blue strip on the breadboard
- Connect Pin 1 to the long leg ( + ) of the LED on the breadboard
- Connect the 150 ohm resistor to the short leg ( - ) of the LED
- Connect the other end of the resistor to the GND row of the breadboard
- Connect the Button Switch to the breadboard (orientation counts)
- Connect Pin 0 to one foot of the switch
- Connect the other foot of the switch to the GND row

Create the program below. Upload it to the micro:bit.

<https://makecode.microbit.org/#>



LED state is a variable that you will have to create.

What does the “show string”- LED state do?