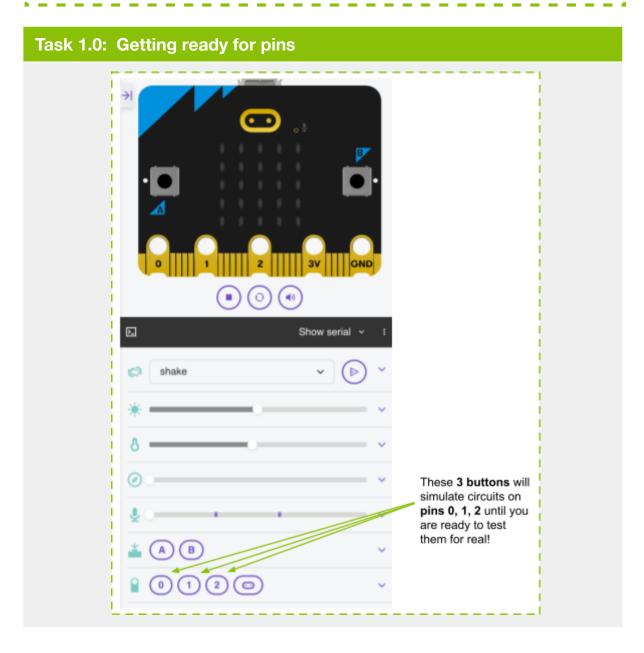
Make your own buttons!! By using the pins on the microbit we can attach up to 3 of our own button creations!



Task 1.1: Get the pins ready

We need to start by resetting the pins so they are ready to read

- 1. On a new line, after the **import** statements, prepare pin 0 for reading input with the code **pin0.read digital()**
- 2. Repeat for pin 1 (and pin 2 if you want an extra button!)

Task 1.2: Goodbye microbit buttons, hello my buttons!

We'll edit our code to use handmade buttons instead of microbit buttons. You can copy this later to use both the microbit and handmade buttons.

- 1. Go to the line where you check if **button a** is pressed.
- 2. We want to check if there is current in the circuit on pin0 (instead of checking if the button is pressed). **Replace button_a.is_pressed()** with **pin0.read_digital()**
- 3. Repeat by replacing **Replace button_b.is_pressed()** with **pin1.read_digital()**
- 4. Run your code and test it out using the first pin button!

Task 1.3: Build a button!

- 1. Pick up a **Build a Button** cheat sheet!
- 2. Learn how to make a basic button and connect it to your micro:bit to use your code in real life!
- 3. Come up with your own ideas for making circuits! We've got a lot of different things to craft fun buttons like rubber bands, popsicle sticks and more!

★ Use a third pin! ★ Create another action and a button on pin 2 ★ Use the micro:bit buttons again! ★ With 2 buttons and 3 pins, you could have up to 5 actions! Add back in your original micro:bit button code, but make some changes.

Add back in your original micro:bit button code, but make some changes.

Make sure you have different action names and pictures for each button/pin.

