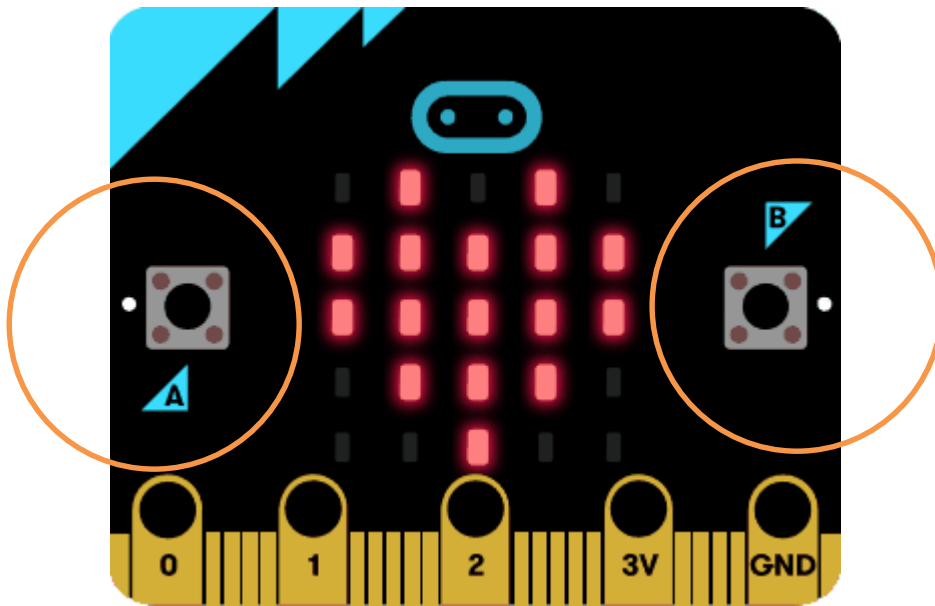


## day69 micro:bit buttons setup

Today we're going to play with the micro:bit's buttons. There are two buttons, `button_a` and `button_b`, clearly labeled on the micro:bit.



Buttons have three methods that can be used with either button:

`is_pressed()`      `was_pressed()`      `get_presses()`

The first two are booleans (that means they return either `True` or `False`) and the last one returns a number.

Here is an example of code using `is_pressed` with `button_b` where the micro:bit displays a heart if the user is pressing the B button and otherwise shows a question mark.

```
while True:
    if button_b.is_pressed():
        display.show(Image.HEART)
    else:
        display.show("?")
```

Here is an example of waiting for a few seconds and then checking if `button_b` was pressed during the pause:

```
while True:
    sleep(5000)
    if button_b.was_pressed():
        display.show("!")
    else:
        display.show(Image.HEART)
```

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Finally, here is an example of code that waits and then displays how many times the user pressed button\_a:

```
sleep(5000)
c = button_a.get_presses()
display.scroll(c)
```

A whole tutorial on how to use buttons is at the following link on the micro:bit web site if you want more information or examples. You don't have to go through it, but if you're struggling or want more information or ideas, please do.

<https://microbit-micropython.readthedocs.io/en/latest/tutorials/buttons.html>

This page is not today's assignment, but you need to try out these commands before trying to do today's assignment. Write a few programs to try out how buttons work. I will be walking around to check in and help.