Emotion Badge

Micro:bit

GOAL

In this workshop you will use the BBC micro:bit to create a badge to show how you feel
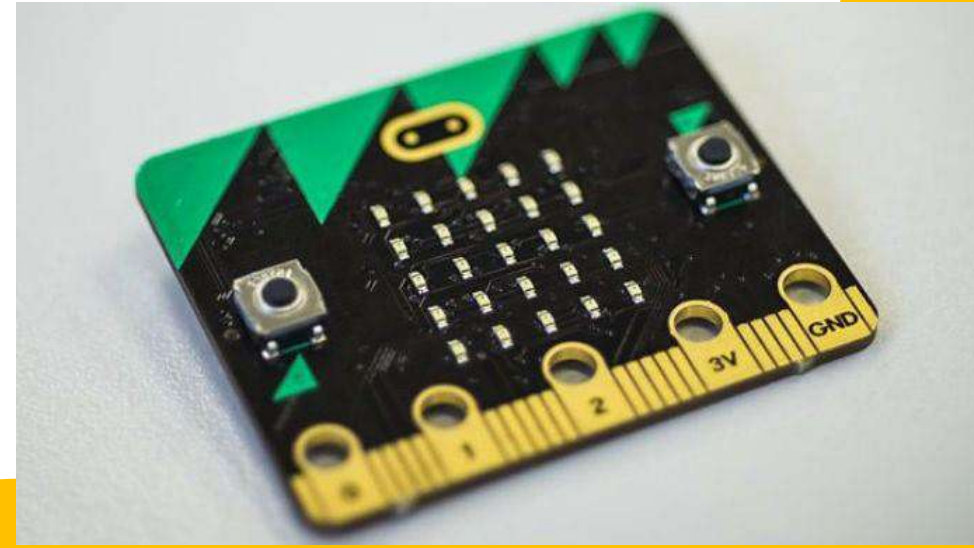

What will you learn

Using the micro:bit
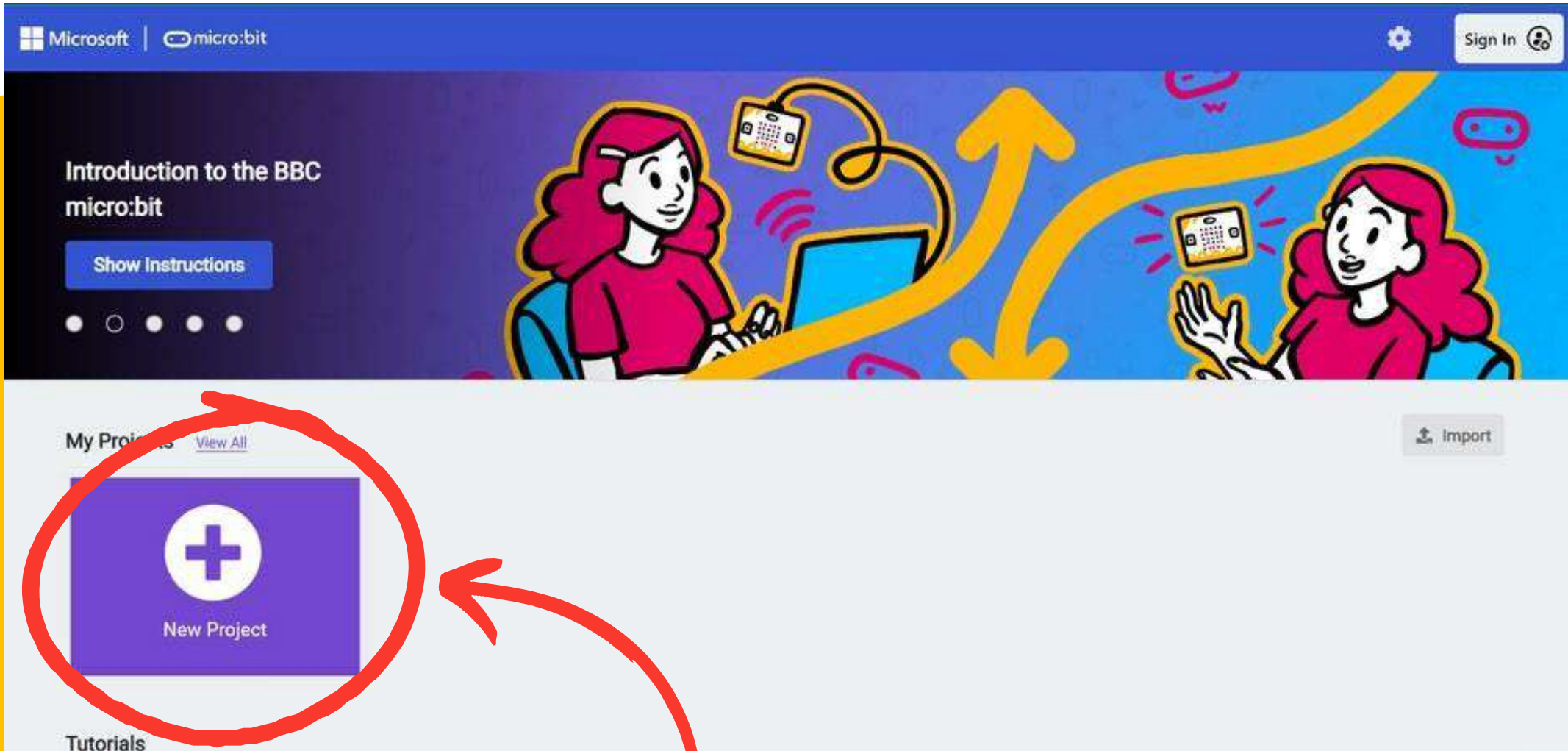Programming buttons
Using the MakeCode interface

What will you need

- A computer
- Access to the internet
- BBC micro:bit
- USB to micro-USB cable

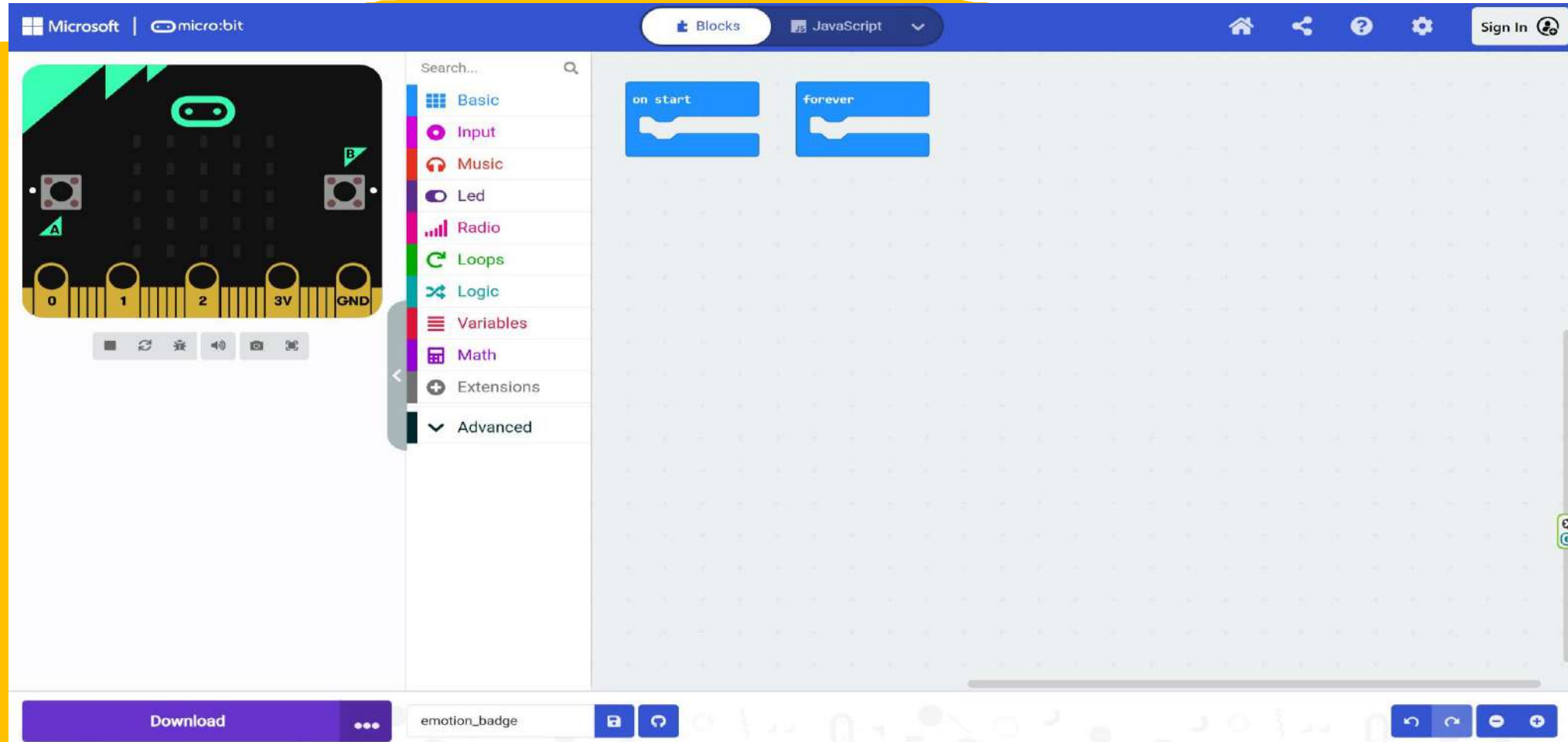**Time to go on your browser and visit**

makecode.microbit.org

Step 1: Press on the **+** icon to create a new project

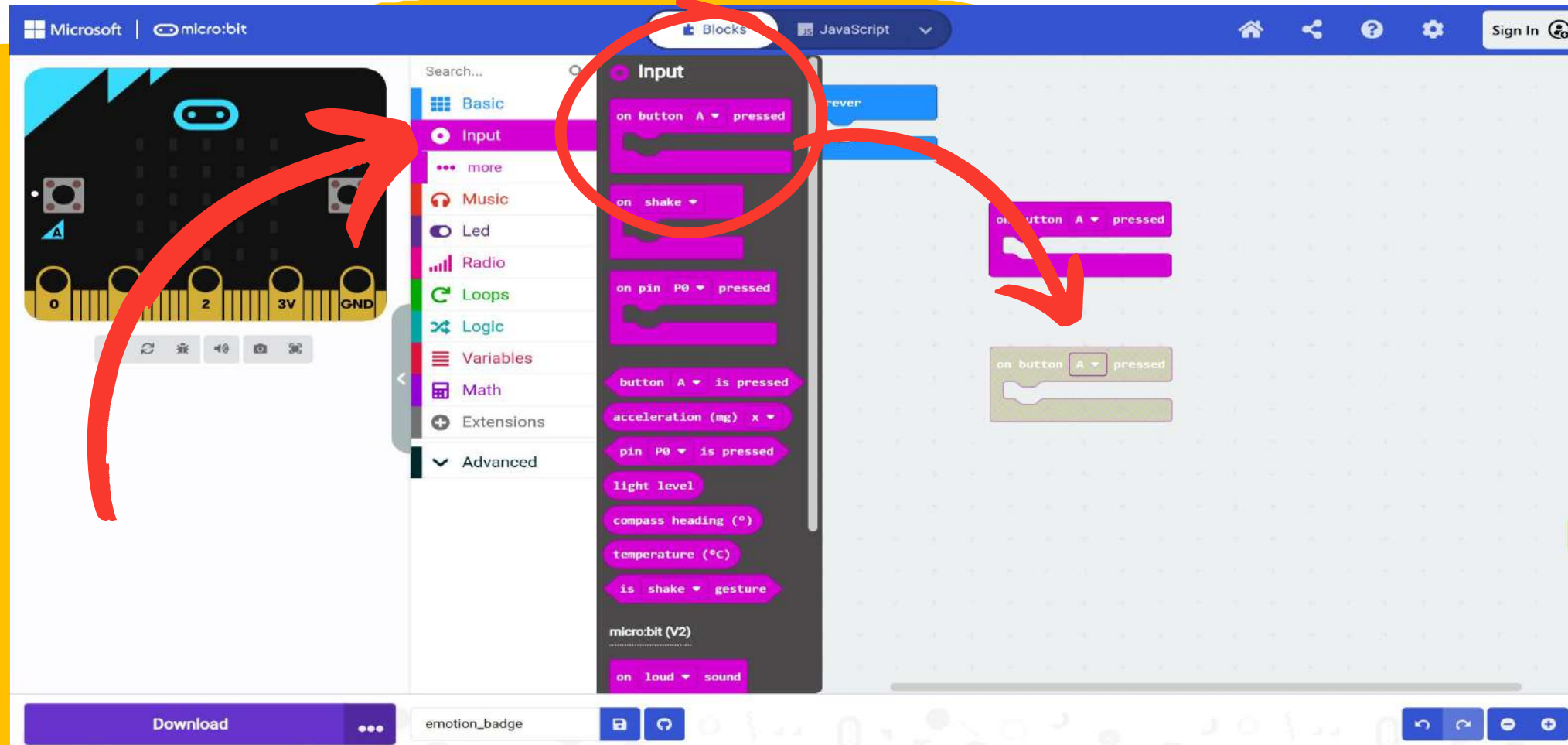**Step 2.** Name the project **emotion_badge** and press **create**

You will see the main programming interface

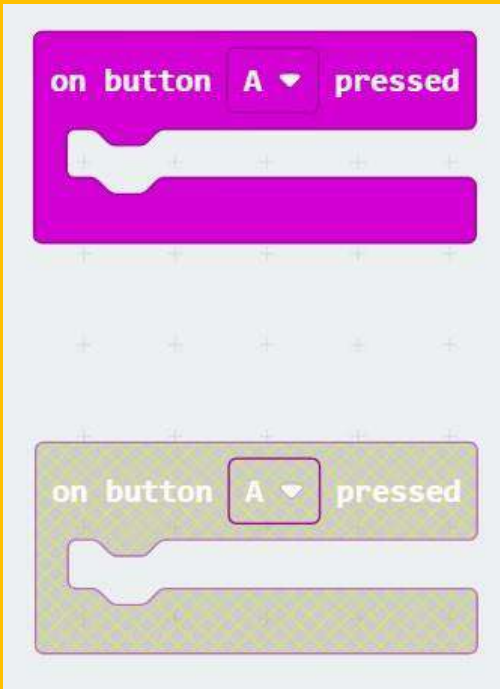**Step 3.** Under the Input category find the on button A pressed and pull it in the program
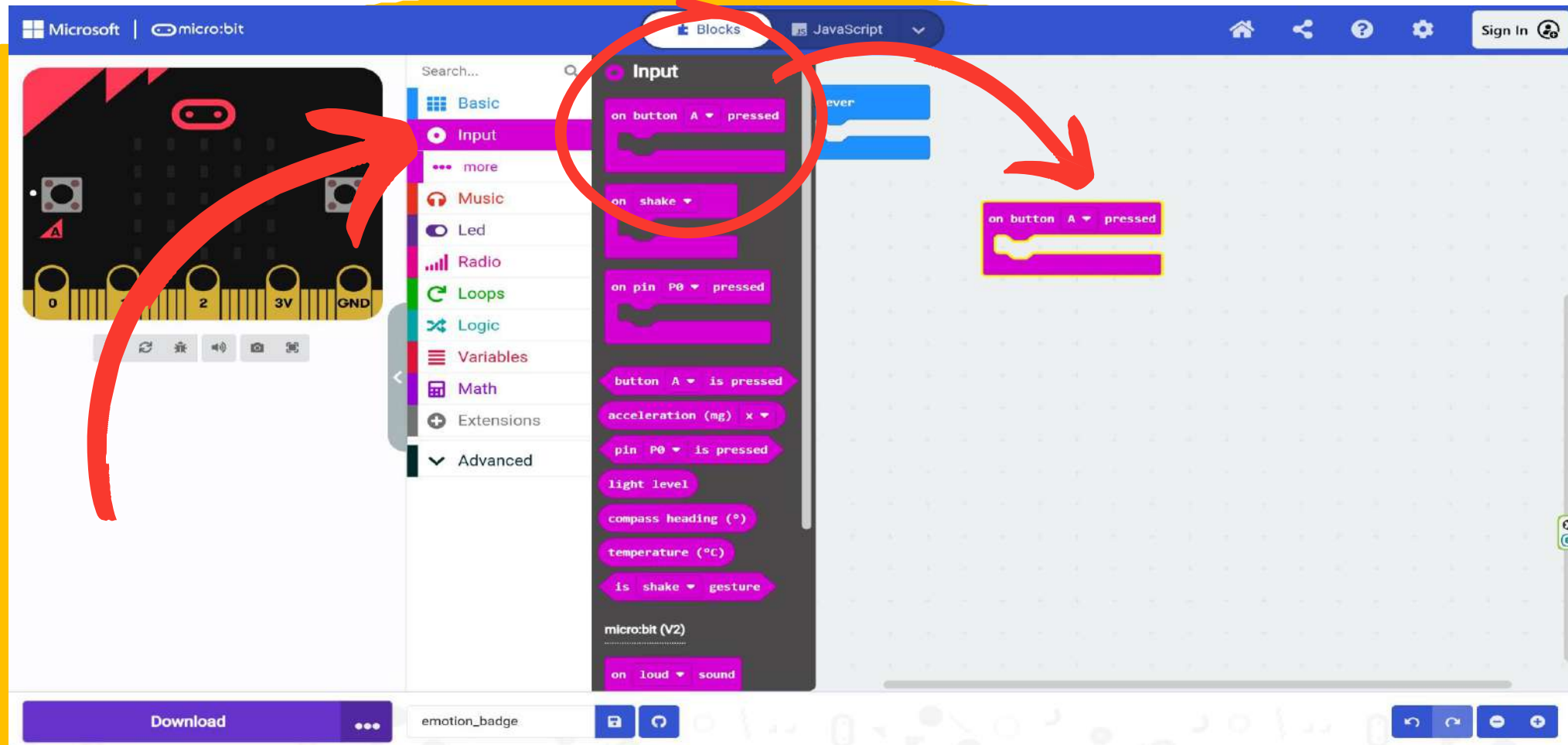
Step 4. Under the Input category find the on button A pressed and pull it in the program for a second time
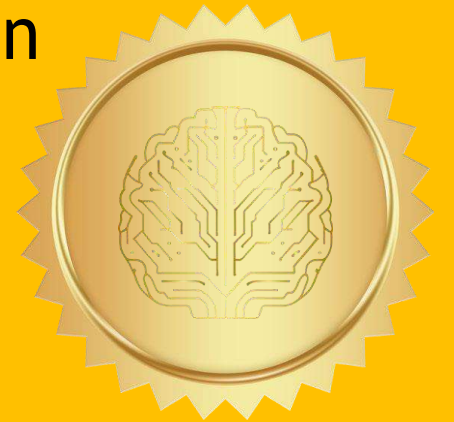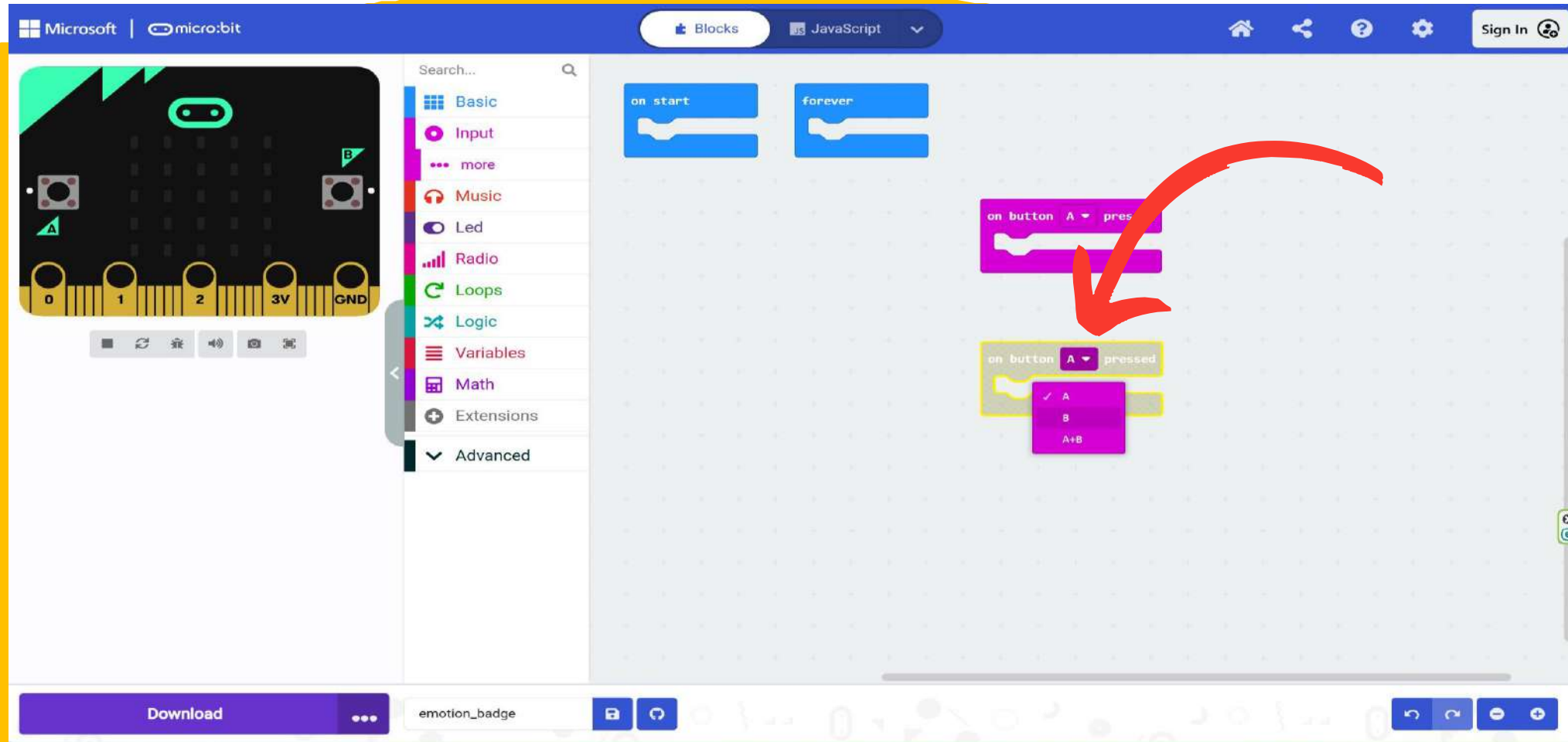
Knowledge time

Conflicting blocks

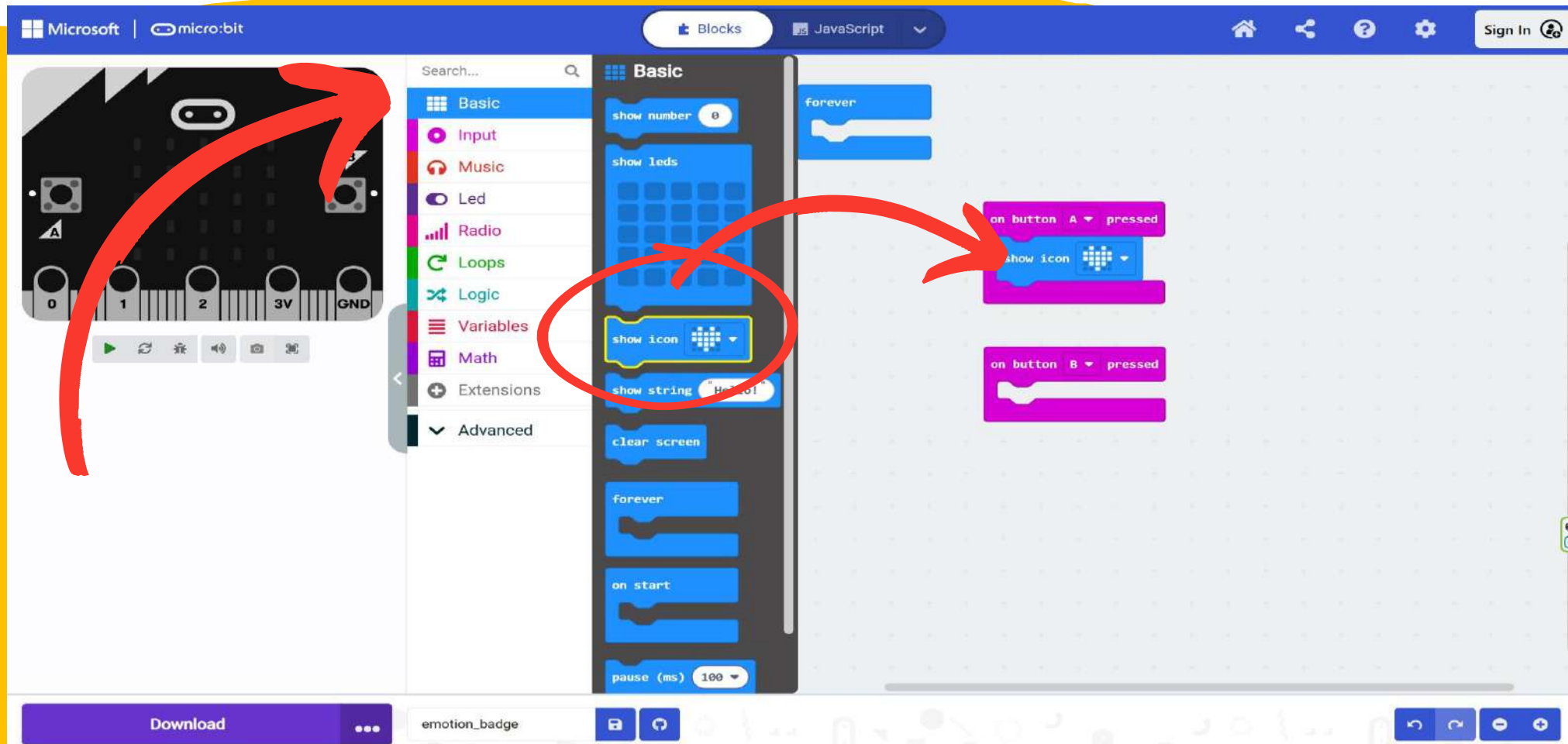When two blocks are conflicting then one of them is grayed out!

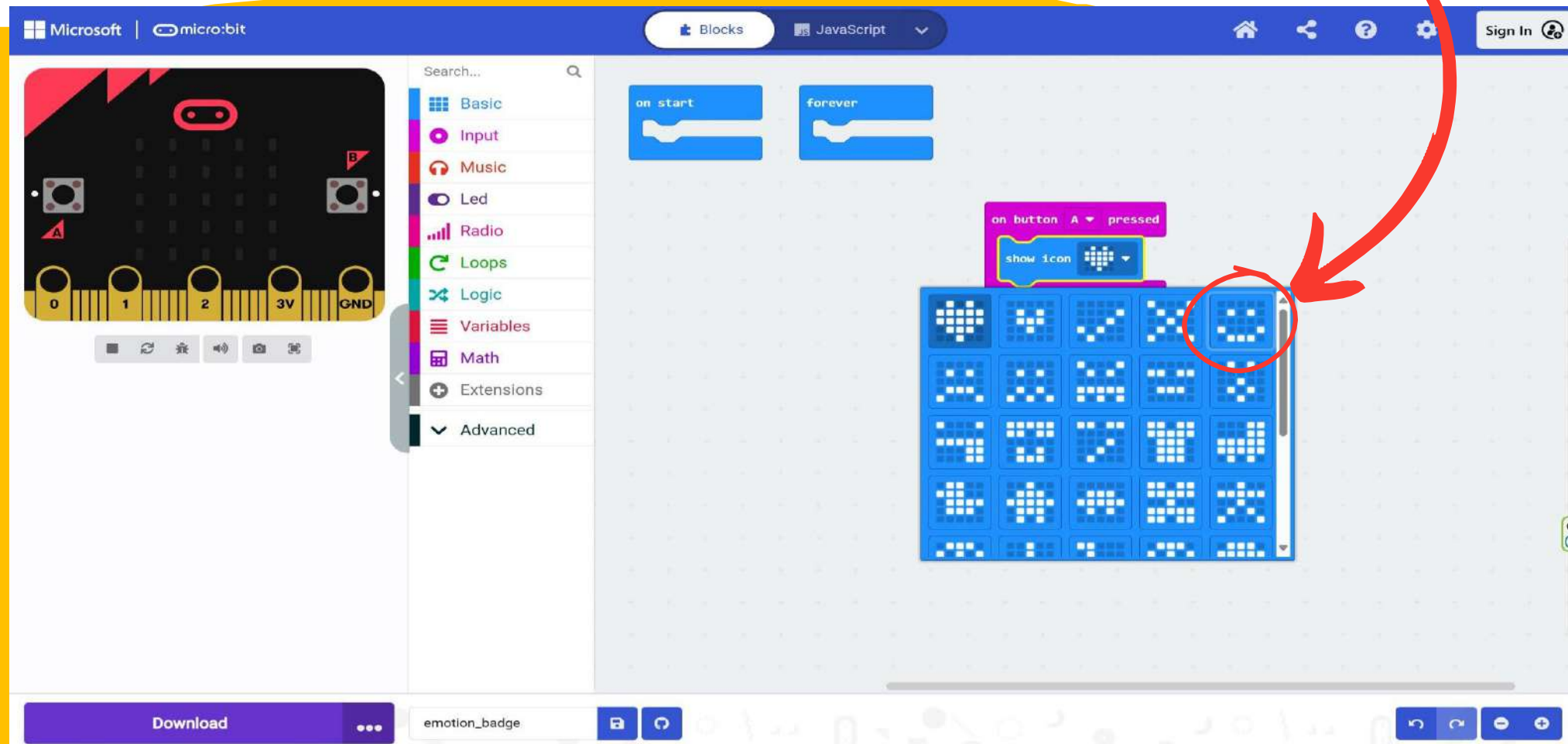In this example there are two on button pressed block for button A

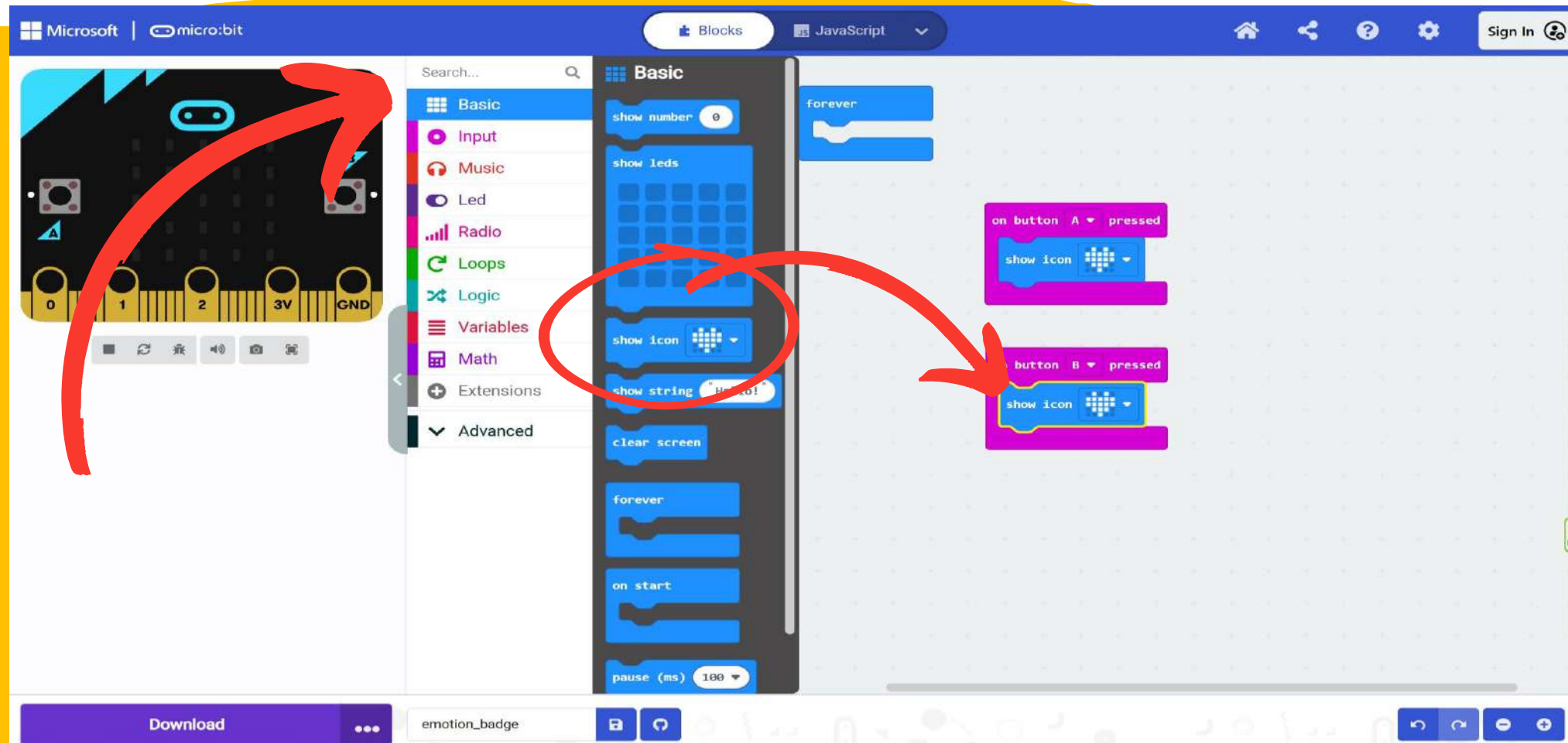**Step 5.** Click on the letter A and change it to B to enabe on button B pressed

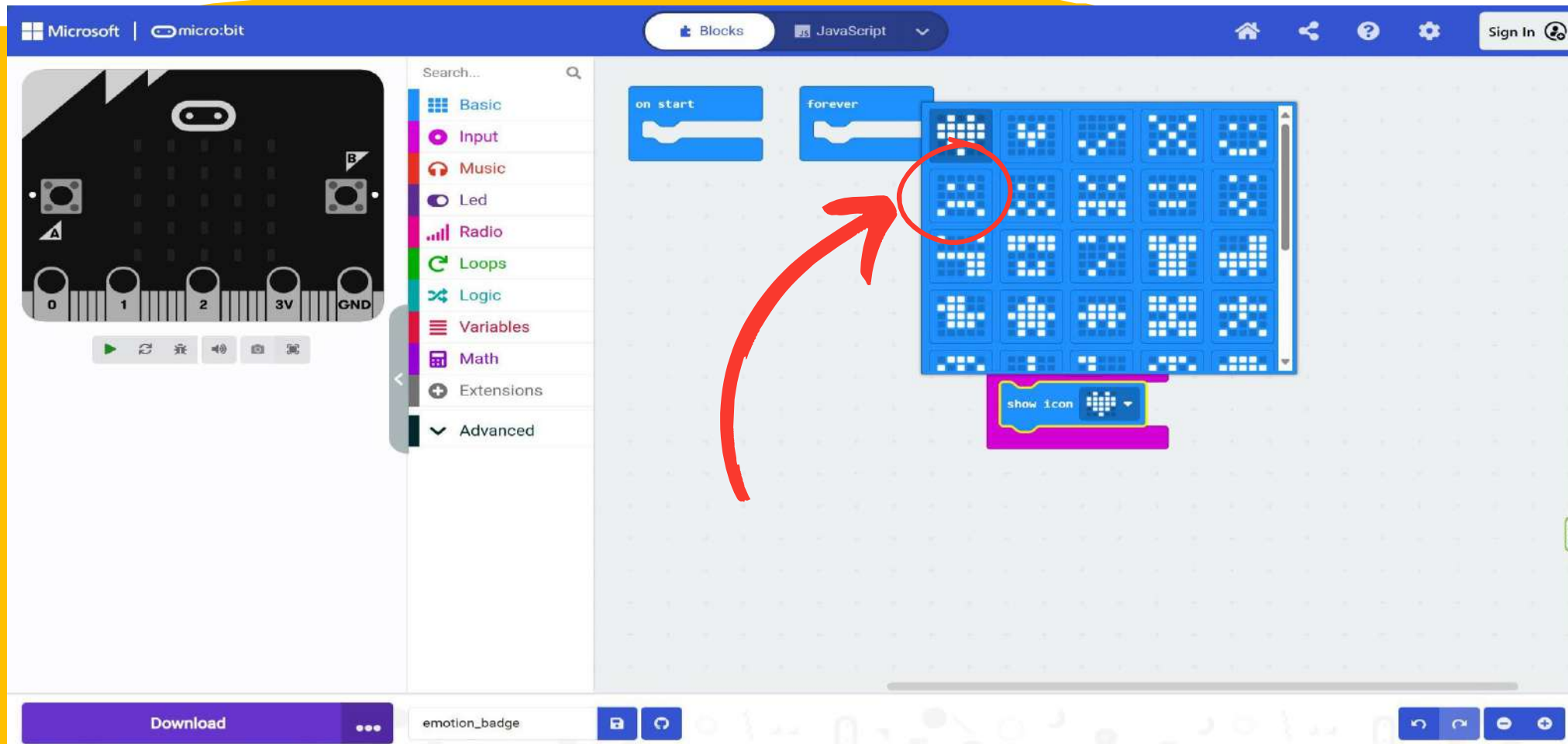**Step 6.** Under the Basic category find the show icon and pull it in the on button A pressed block

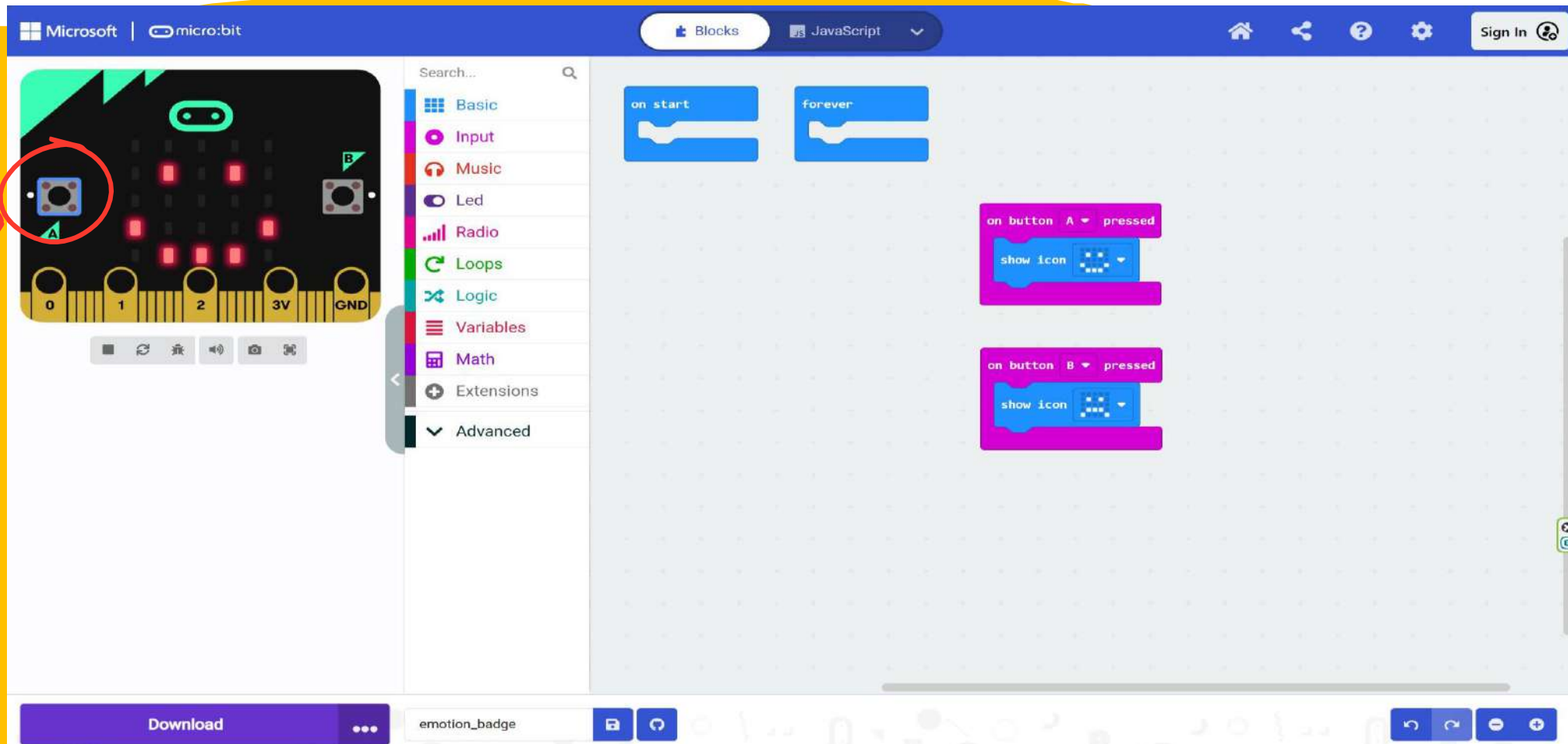**Step 7.** Change the show icon from a heart to a smiley face

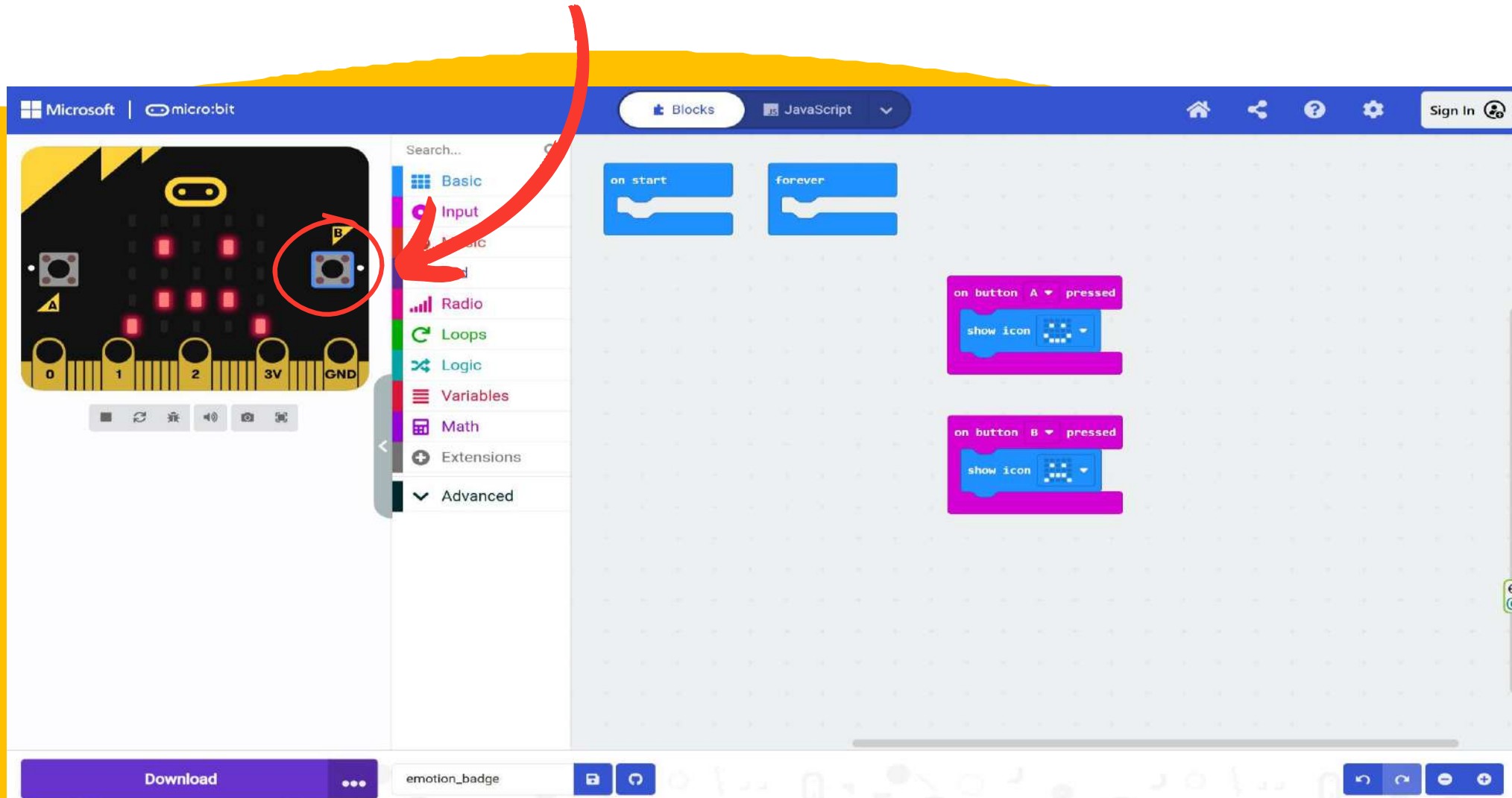**Step 8.** Under the Basic category find the show icon and pull it in the on button B pressed block

Step 9. Change the show icon from a heart to a sad face

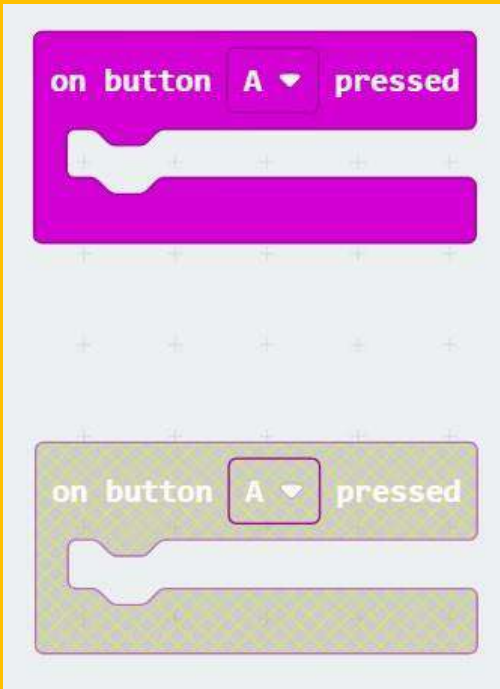**Step 10.** Click on button A in the simulator to see the smiley face

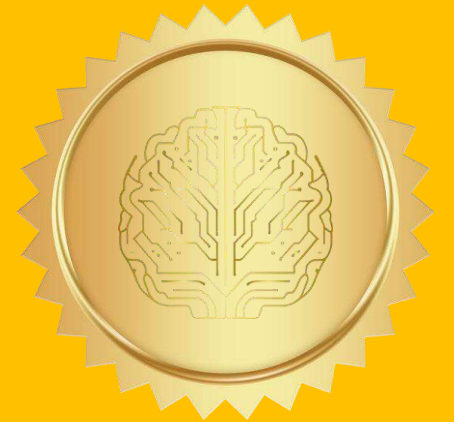**Step 10.** Click on button B in the simulator to see the sad face

Knowledge time

Changing button code

Try to change the code in the on button pressed blocks and experiment with the results.

Thank you

Co-funded by the
Erasmus+ Programme
of the European Union