



## NAME BADGE

The front of the micro:bit has a 'screen' of 25 LEDs which you can use for showing images or scrolling messages.

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Your task is to make your name appear when button A is pressed and switch it off when button B is pressed.

### How to write your name on the LED screen:

- Click on the **'show name'** module.
- Link the OUTPUTS tab to the LEDs
  - Select Display type - 'Message'
  - Type your name in the box

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### How to make the buttons control the LEDs:

- Drag a link from the WHEN tab to button A.
  - Choose the 'is pressed' setting.
- Drag a link from the UNTIL tab to button B.
  - Choose the 'is pressed' setting.
- Click anywhere to finish.

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The program instruction should now read:

When button A is pressed, show the LED message "My Name" until button B is pressed.



Select **Run** mode to see how your program works on the computer screen.

- Connect your micro:bit to the computer.



Select **Control** mode to test the program on the micro:bit.



Select **Transfer** mode to send the program to the micro:bit's memory.

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When you have connected a battery, you can use your micro:bit as a badge.

#### Further challenge



Instead of showing a name, try showing an image or animation:

- Select **Design** mode.
- Drag a line from OUTPUTS to the LEDs.
- Choose Display type 'Image' or 'Animation'.

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