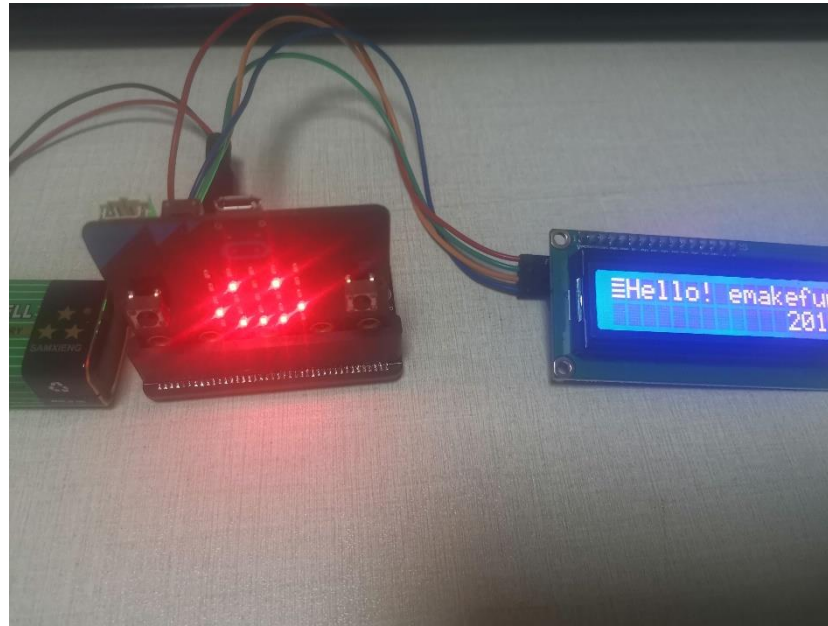


1602 Liquid crystal display (LCD)

- 1、Achieve the goal
- 2、Preparation before class
- 3、Wiring
- 4、Block programming

1602 Liquid crystal display (LCD)



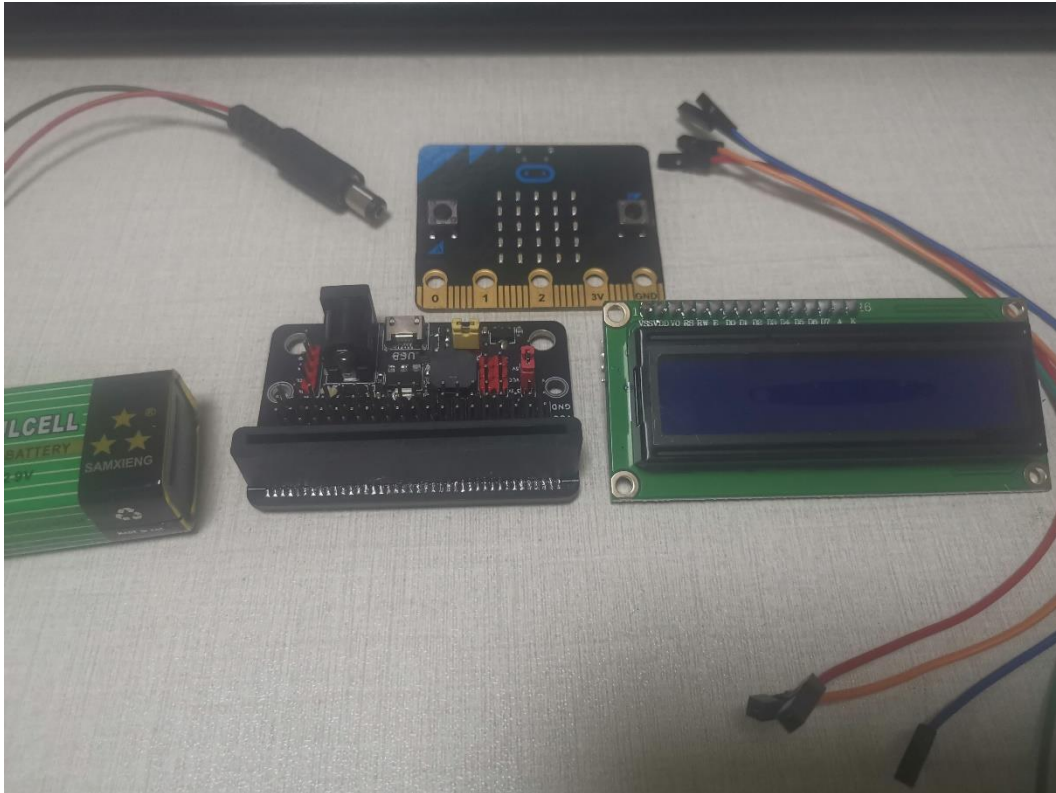
1、Achieve the goal

When the LCD module is connected to the microbit extension board, the first line of the screen displays Hello! Emakefun, the second line shows 2019.

1602 Liquid crystal display (LCD)

2、Preparation before class

Prepare microbit
mainboard, USB
cable, battery,
LCD module,
expansion board,
dupont cable.



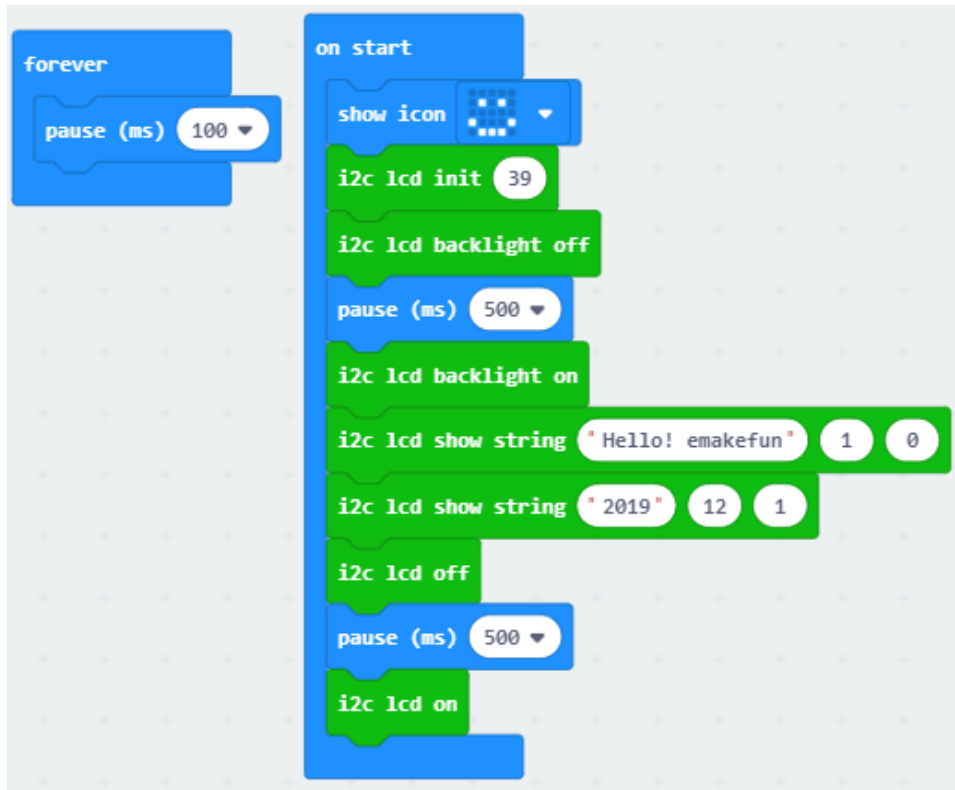
1602 Liquid crystal display (LCD)

3、Wiring

The SDA pin of the LCD screen is connected to the SDA pin of the expansion board, the SCL pin is connected to the SCL pin of the expansion board, the VCC pin is connected to 5V, and the GND pin is connected to GND

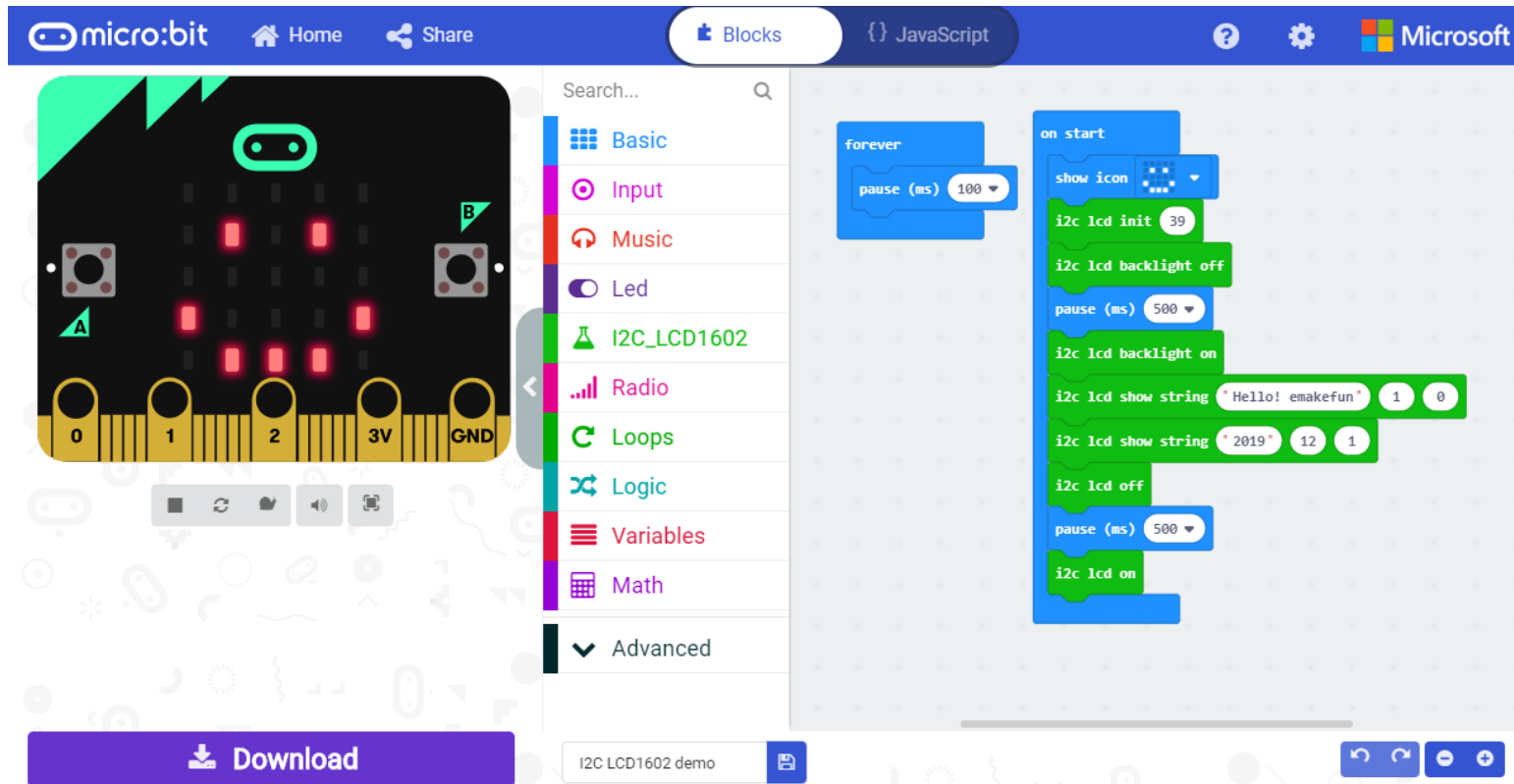
1602 Liquid crystal display (LCD)

4、Block programming



1. When starting up, the screen displays a smiley face, and then the I2C pin of the display is initialized (39 refers to the I2C address). The third block of the program is the rest screen Display 2019 at position 12 on line 1, close I2C, pause 500ms, open I2C

1602 Liquid crystal display (LCD)



5、Download experience

1. Click "download", download the program to the microbit, connect the circuit, and you can see the result of your programming