

Serial print ultrasonic measurement distance

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

Serial print ultrasonic measurement distance



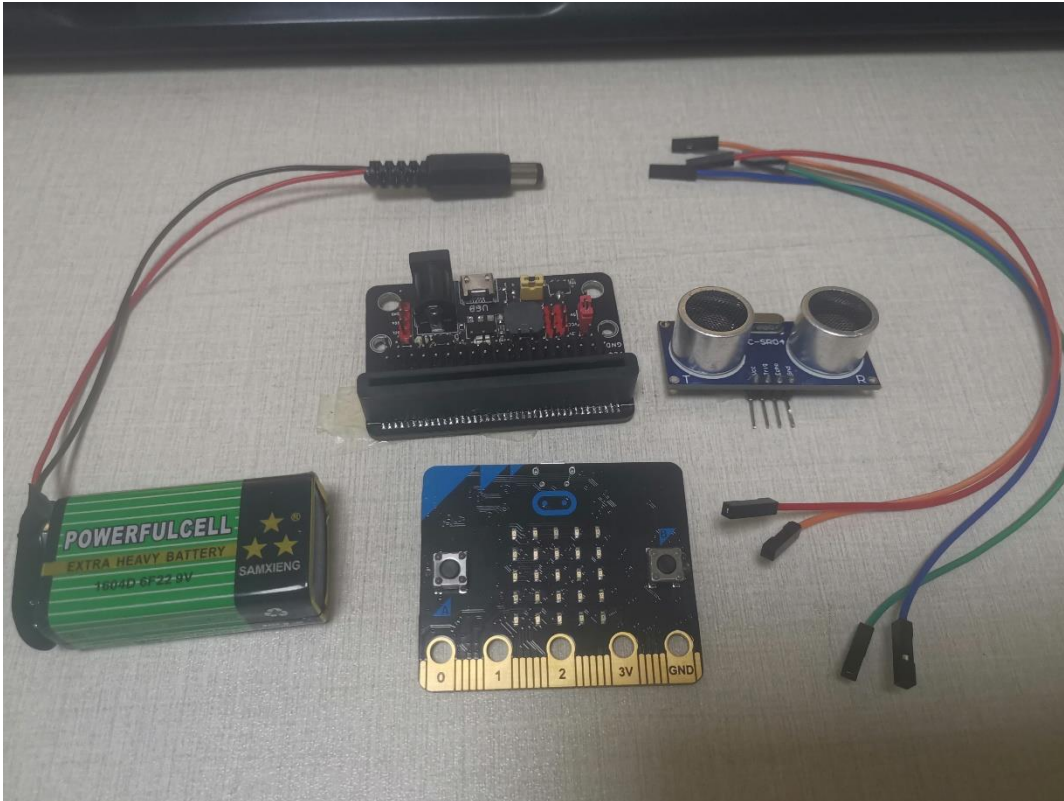
1、Achieve the goal

The microbit sends the value of the ultrasonic measurement forward through the serial port to the computer and prints it out through the serial port tool

Serial print ultrasonic measurement distance

2、Preparation before class

Prepare microbit motherboard, USB cable, battery, ultrasonic module, expansion board, dupont cable.



Serial print ultrasonic measurement distance

3、Wiring

The VCC pin of the ultrasonic module is connected to the 5V pin of the expansion plate, the GND pin is connected to the GND pin of the expansion plate, the TRIG pin is connected to the P2 pin of the expansion plate, and the ECHO is connected to the P1 pin of the expansion plate

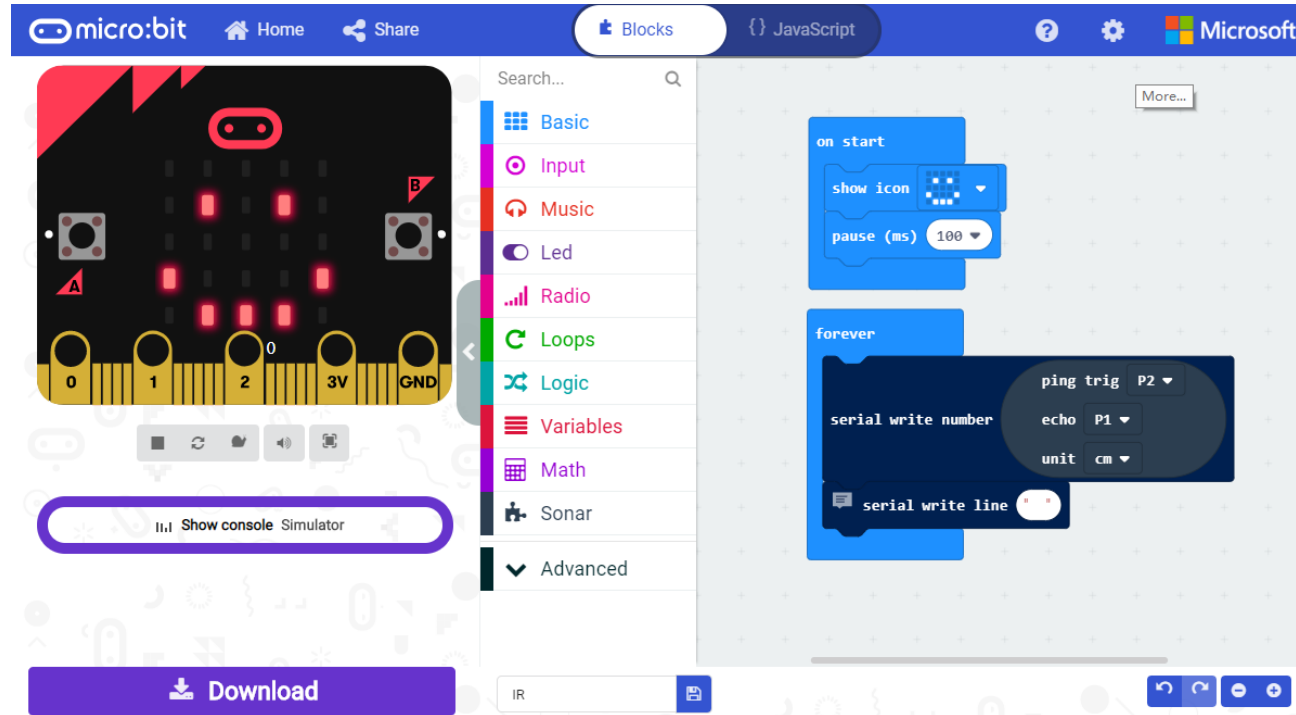
Serial print ultrasonic measurement distance

4、Block programming



1. When turned on, the microbit screen displays a smiley face
2. In an infinite loop, write the distance measured by ultrasonic wave in serial. The selection symbol after trig represents the extension plate pin connected by the ultrasonic trig pin

Serial print ultrasonic measurement distance



5、Download experience

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