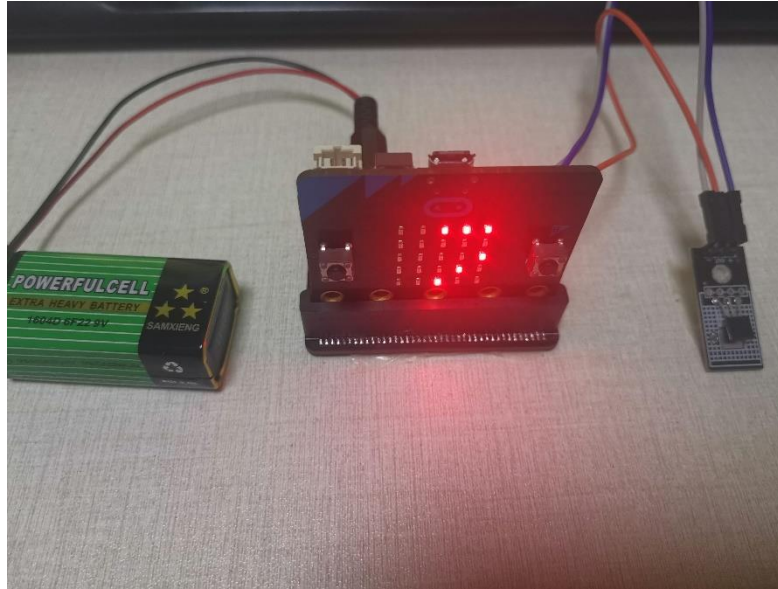


Microbit screen temperature display

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

Microbit screen temperature display



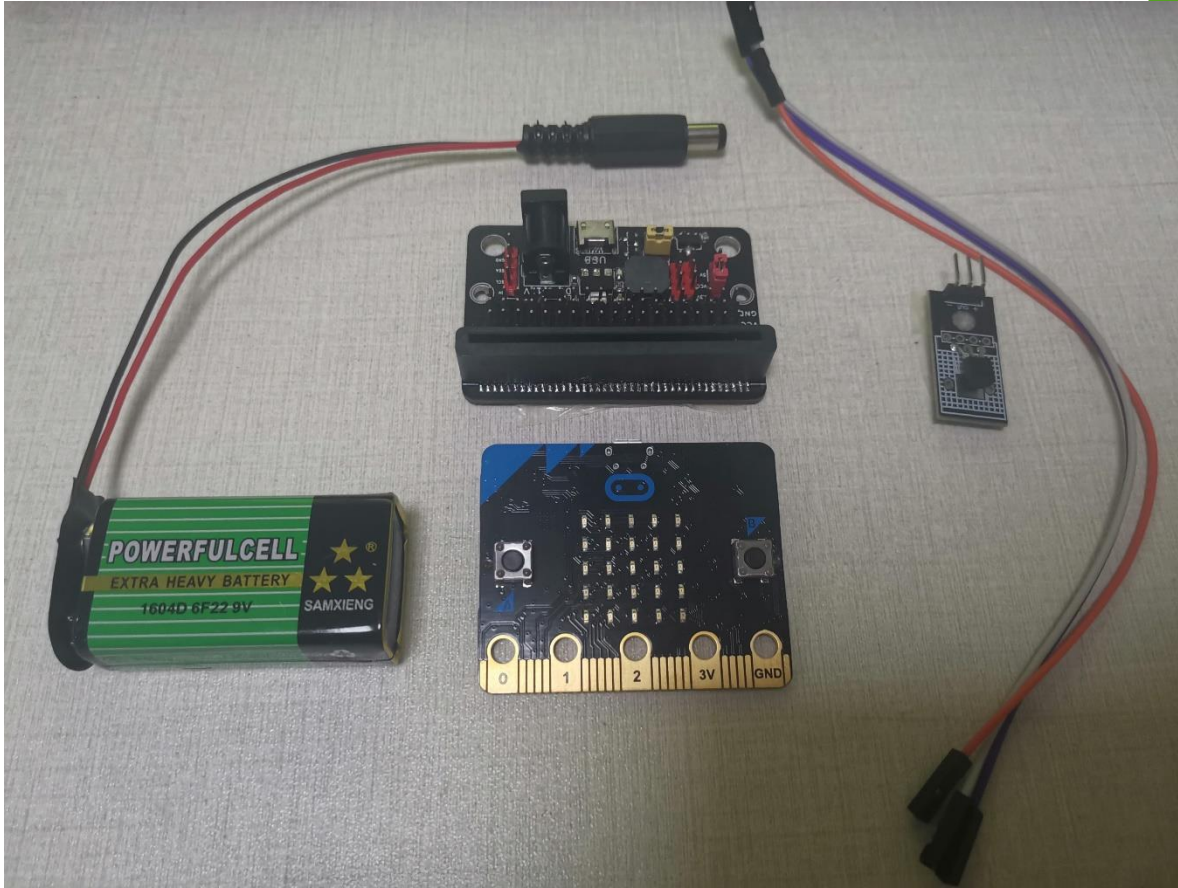
1、Achieve the goal

When the temperature sensor module is connected to the expansion board, the microbit reads the analog quantity of the temperature sensor and displays it on the screen

Microbit screen temperature display

2、Preparation before class

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



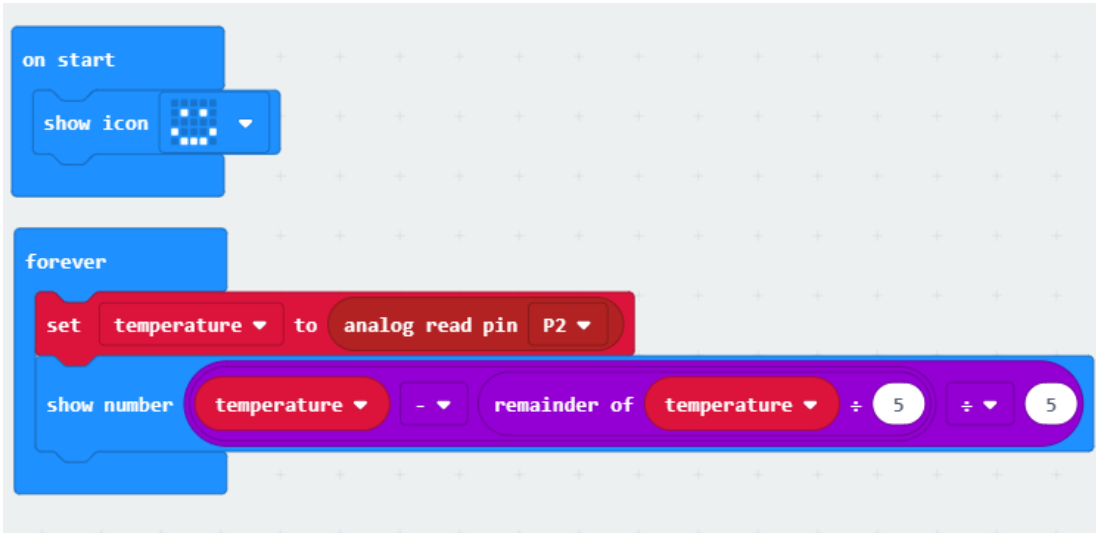
Microbit screen temperature display

3、Wiring

The OUT pin of the temperature sensor is connected to the extension plate P2, the + pin is connected to the VCC of the extension plate, and the -pin is connected to the GND of the extension plate

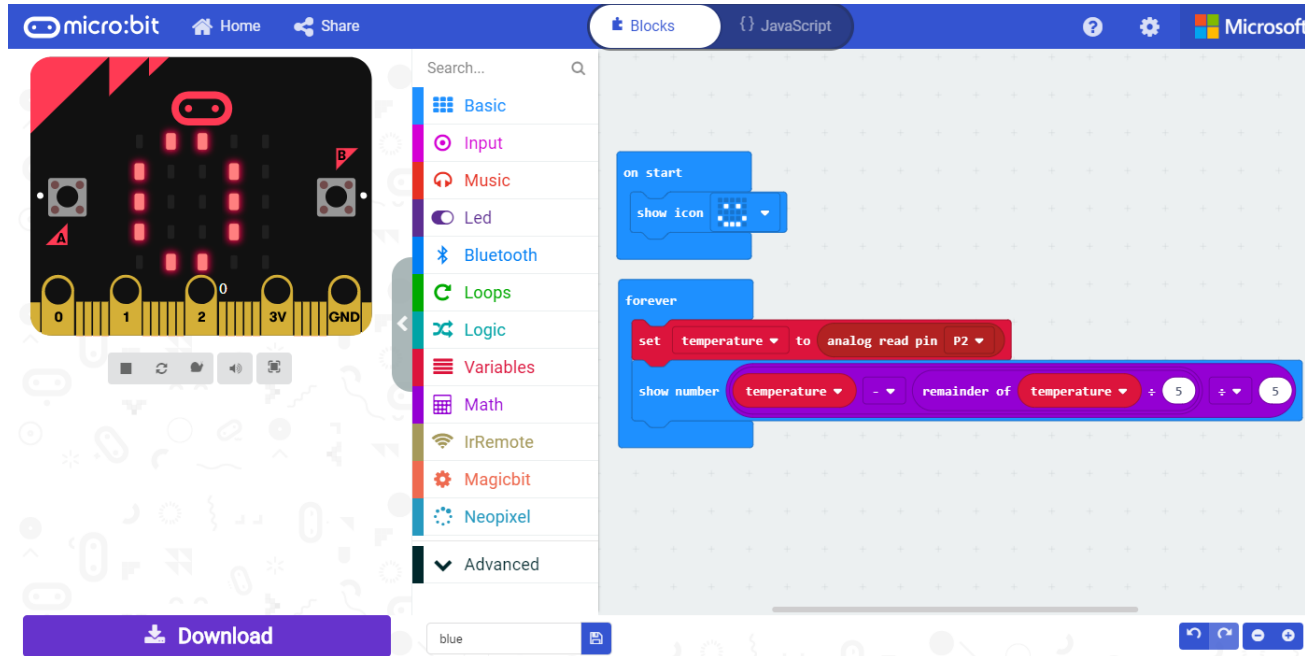
Microbit screen temperature display

4、Block programming



1. When the it is turned on, the screen displays a smiley face and then enters an infinite loop
2. In the infinite loop, send the analog value of the temperature sensor connected to the P2 pin read to the variable, process the value accordingly to make the temperature data more accurate, and then display it on the screen

Microbit screen temperature display



5、Download experience

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