Microbit screen displays humidity
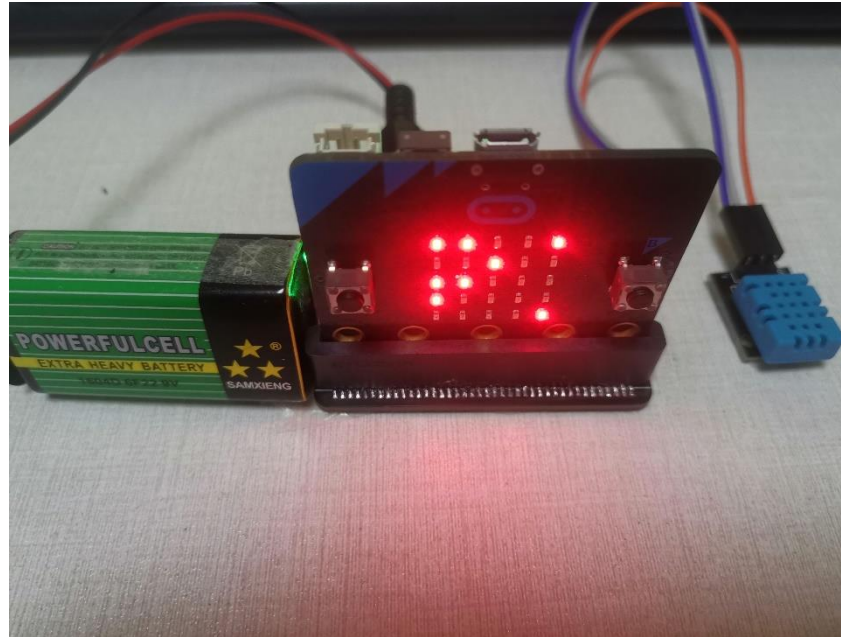
1、 Achieve the goal

2、 Preparation before class

3、 Wiring

4、 Block programming

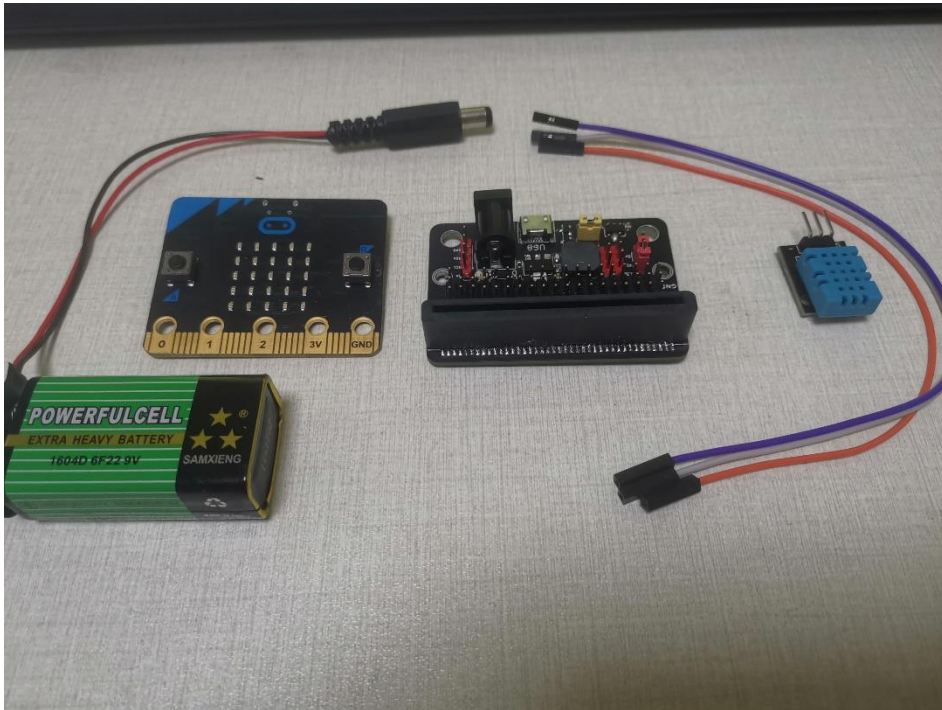# Microbit screen displays humidity

1、Achieve the goal

When connected, the microbit screen displays the detected humidity values, which vary from environment to environment

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2、 Preparation before class

Prepare microbit mainboard, USB cable, battery, DHT11 module, dupont cable, expansion board.
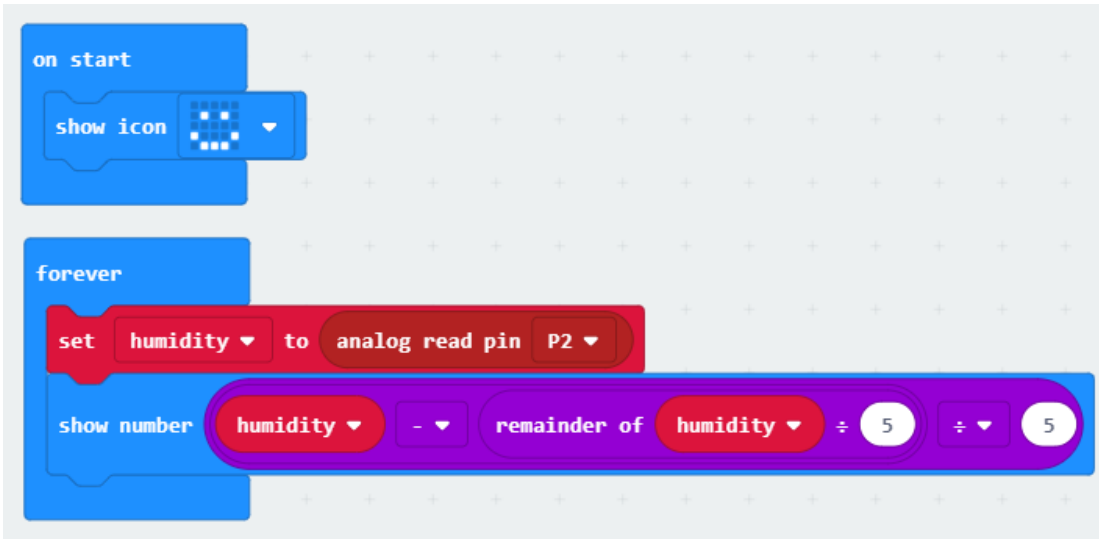
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3、Wiring

The S pin of the DHT11 sensor module is connected to the P2 pin of the extension plate, the -pin is connected to the GND pin of the extension plate, and the + pin is connected to the VCC pin of the extension plate
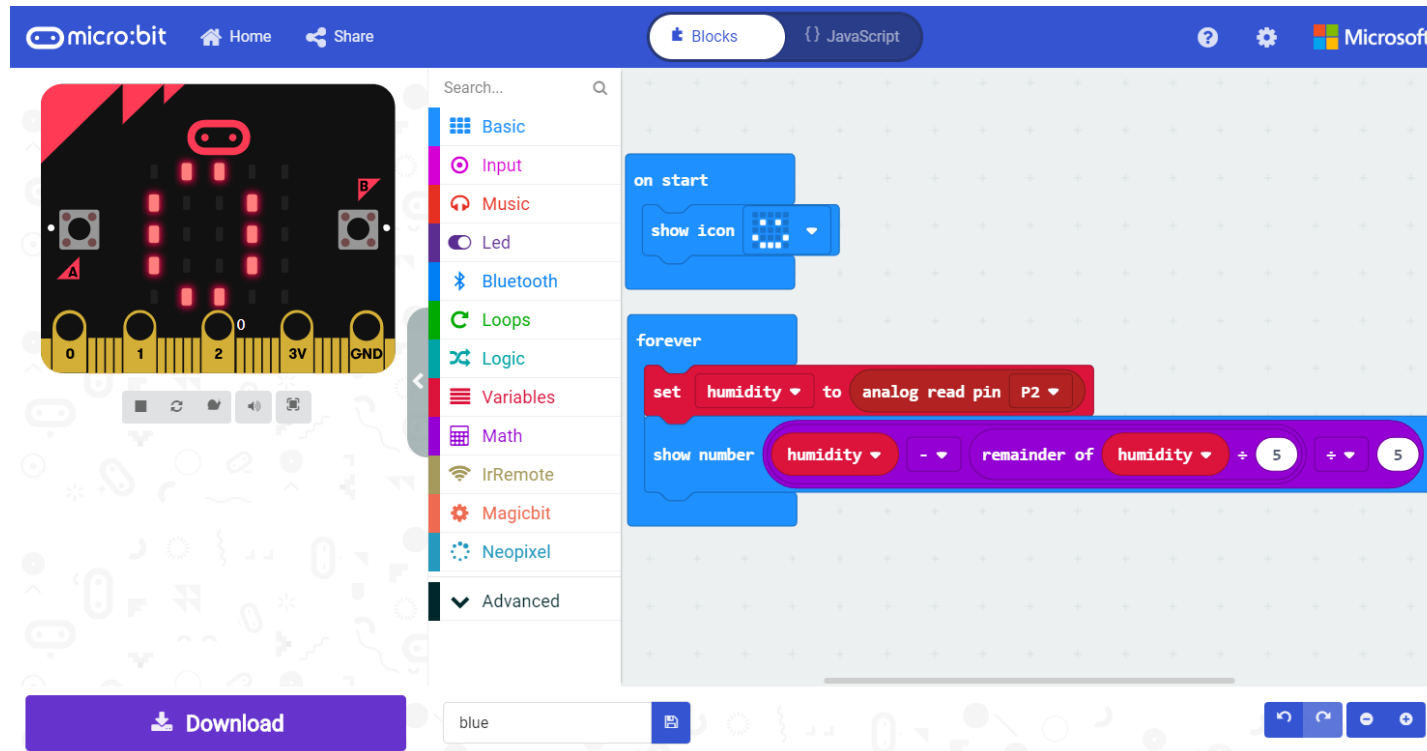
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4、Block programming

1. When it is turned on, the microbti screen displays a smiling face and then enters an infinite loop

2. In the infinite loop, read the DHT11 value connected to the P2 pin, assign it to the variable, and then process the data of the variable to display on the microbit screen

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5、Download experience

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