



Sliding potentiometer analog control LED light module brightness

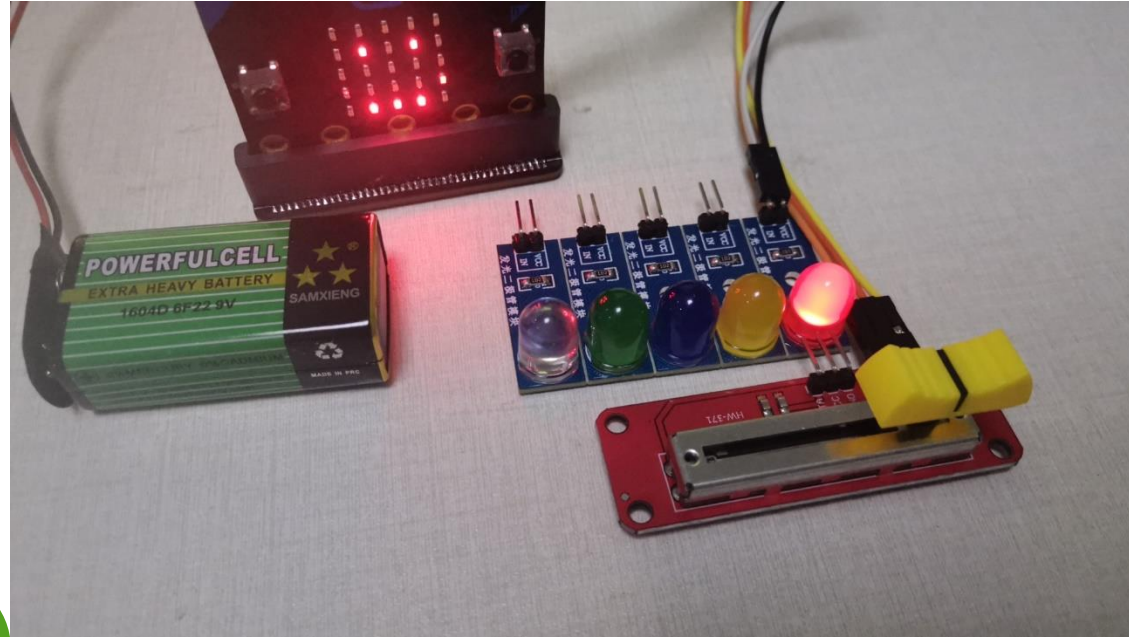
1、 Achieve the goal

2、 Preparation before class

3、 Wiring

4、 Block programming

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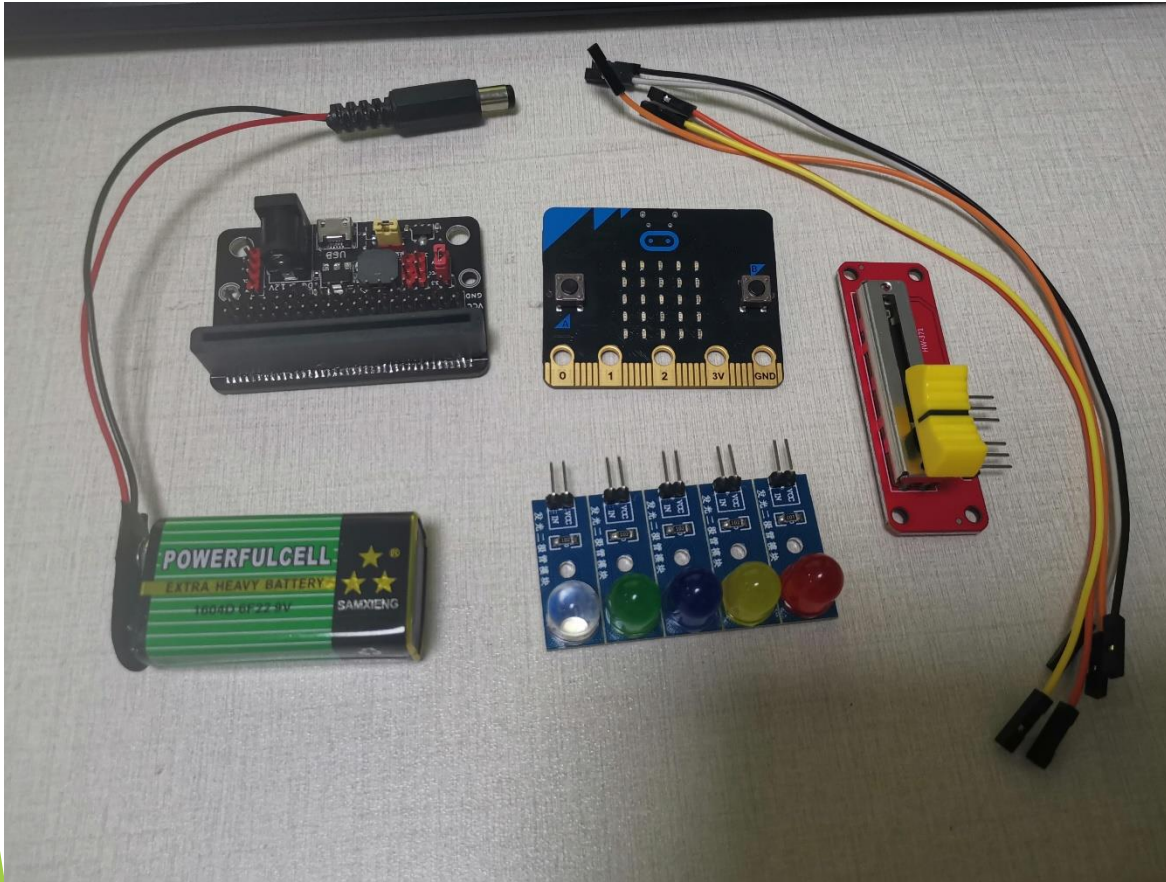
1、Achieve the goal

Slide the slider of the potentiometer, and the brightness of the LED lamp module will change accordingly

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2、Preparation before class

Prepare microbit
mainboard, USB
cable, battery,
sliding
potentiometer
module, LED
lamp module,
dupont line.



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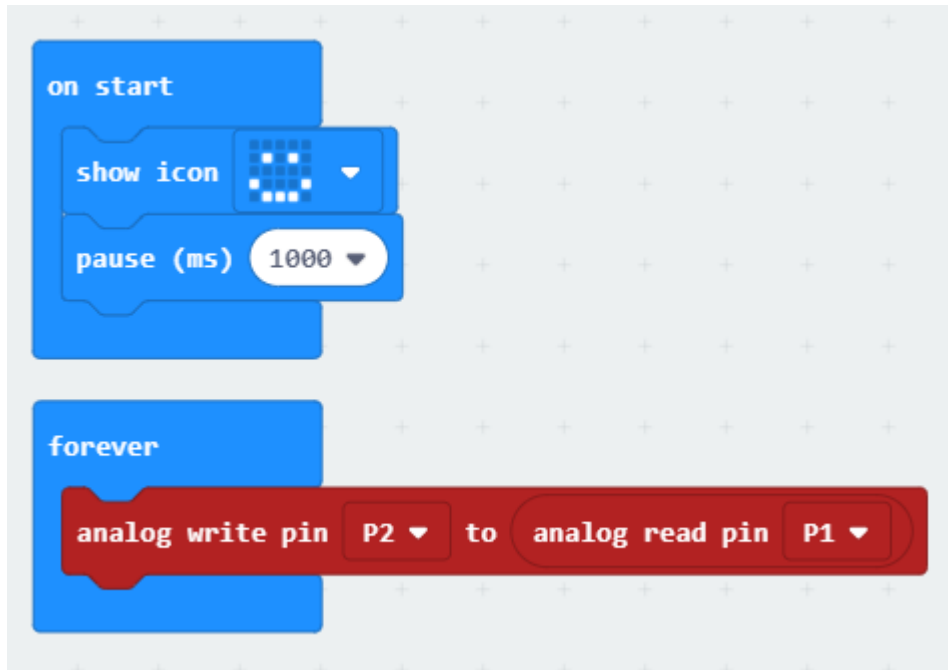
3、Wiring

The VCC pins of the sliding potentiometer are connected to the VCC pins of the expansion board, the GND pins are connected to the GND pins of the expansion board, and the OTB pins are connected to the expansion board P1

The VCC pin of the LED module is connected to the VCC pin of the extension board, and the IN pin is connected to P2 of the extension board

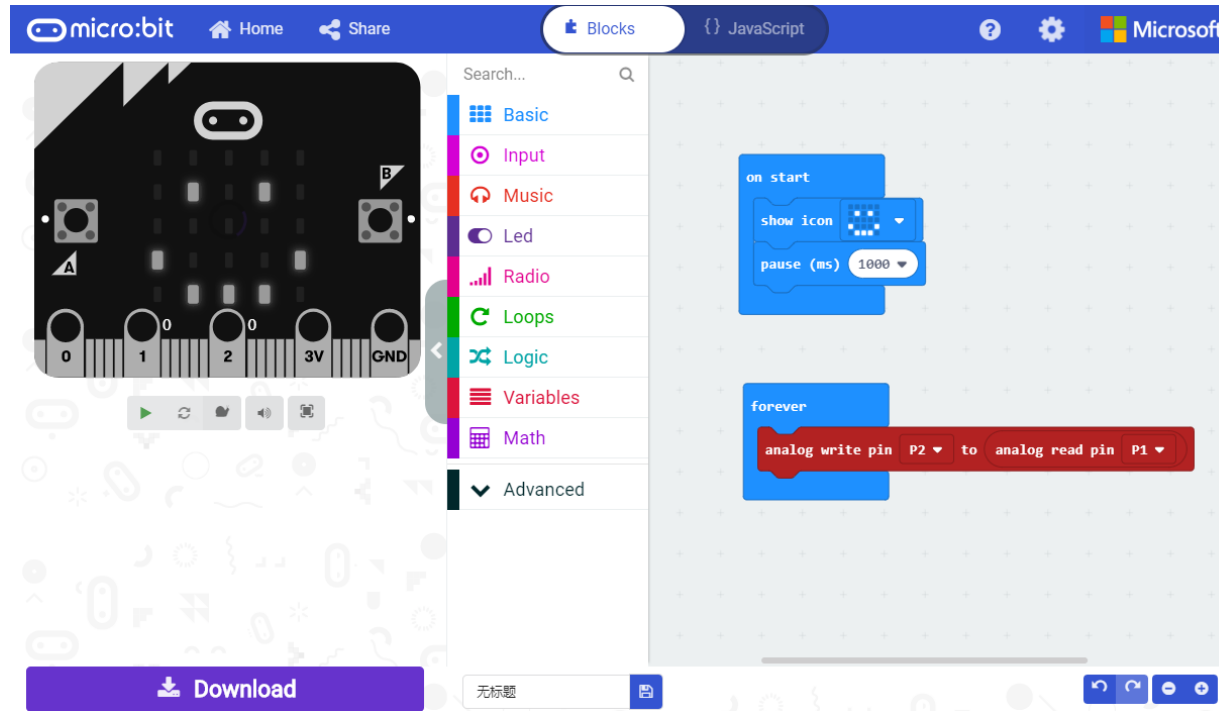
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4、Block programming



1. When it is turned on, the screen displays a smiley face. Then pause for 1000ms
2. In the infinite loop, read the value of the sliding potentiometer connected to the P1 pin, and then write the value of the reading sliding potentiometer to the LED lamp module connected to the P2 pin

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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