Continuously light up the light

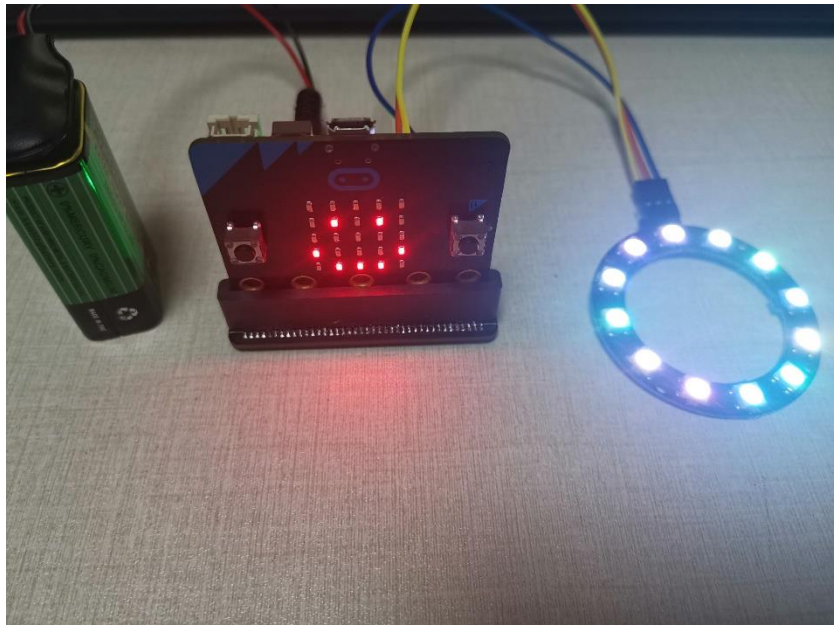
1、Achieve the goal

2、Preparation before class

3、Wiring

4、Block programming

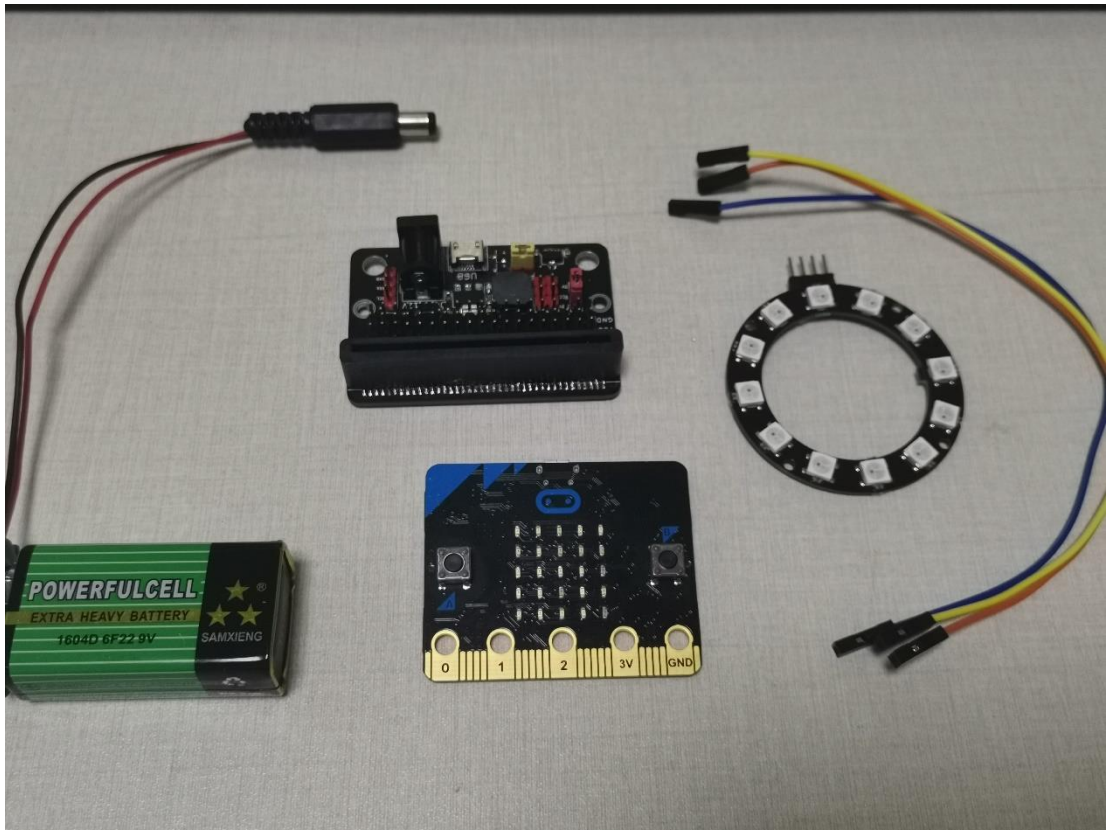
Continuously light up the light



1、Achieve the goal

When the RGB lamplight module is connected to the microbit extension board, the RGB lamplight of the RGB lamplight will be continuously light up one by one.

Continuously light up the light



2、Preparation before class

Prepare microbit mainboard, USB cable, battery, RGB lamp coil module, expansion board, dupont cable.

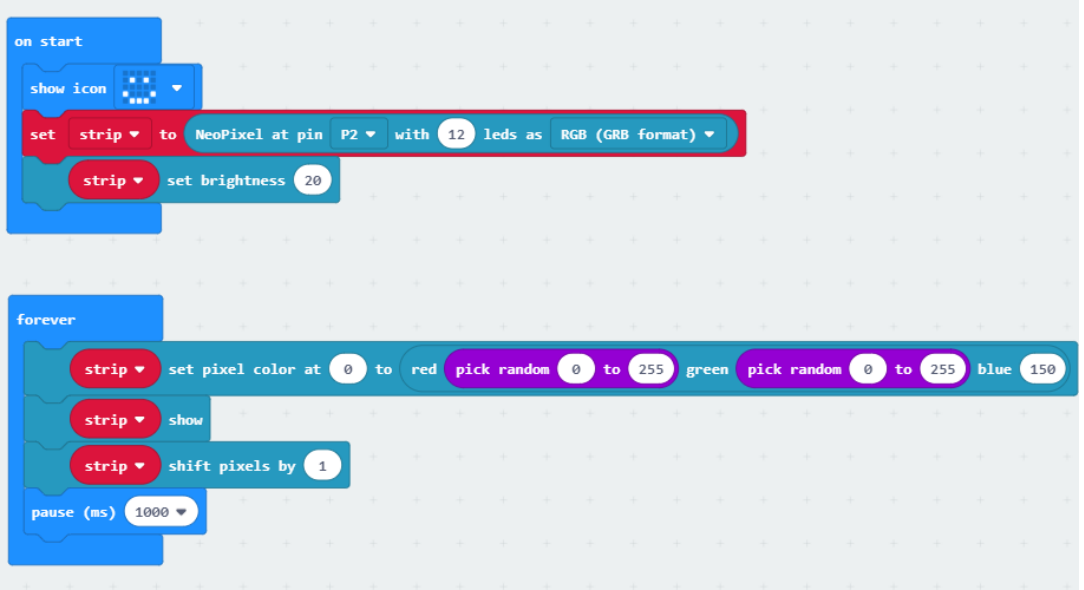
Continuously light up the light

3、Wiring

The DI pin of the RGB lamp ring is connected to the P2 pin of the extension plate, the 5V pin is connected to the 5V pin of the extension plate, and GND is connected to the GND pin of the extension plate

Continuously light up the light

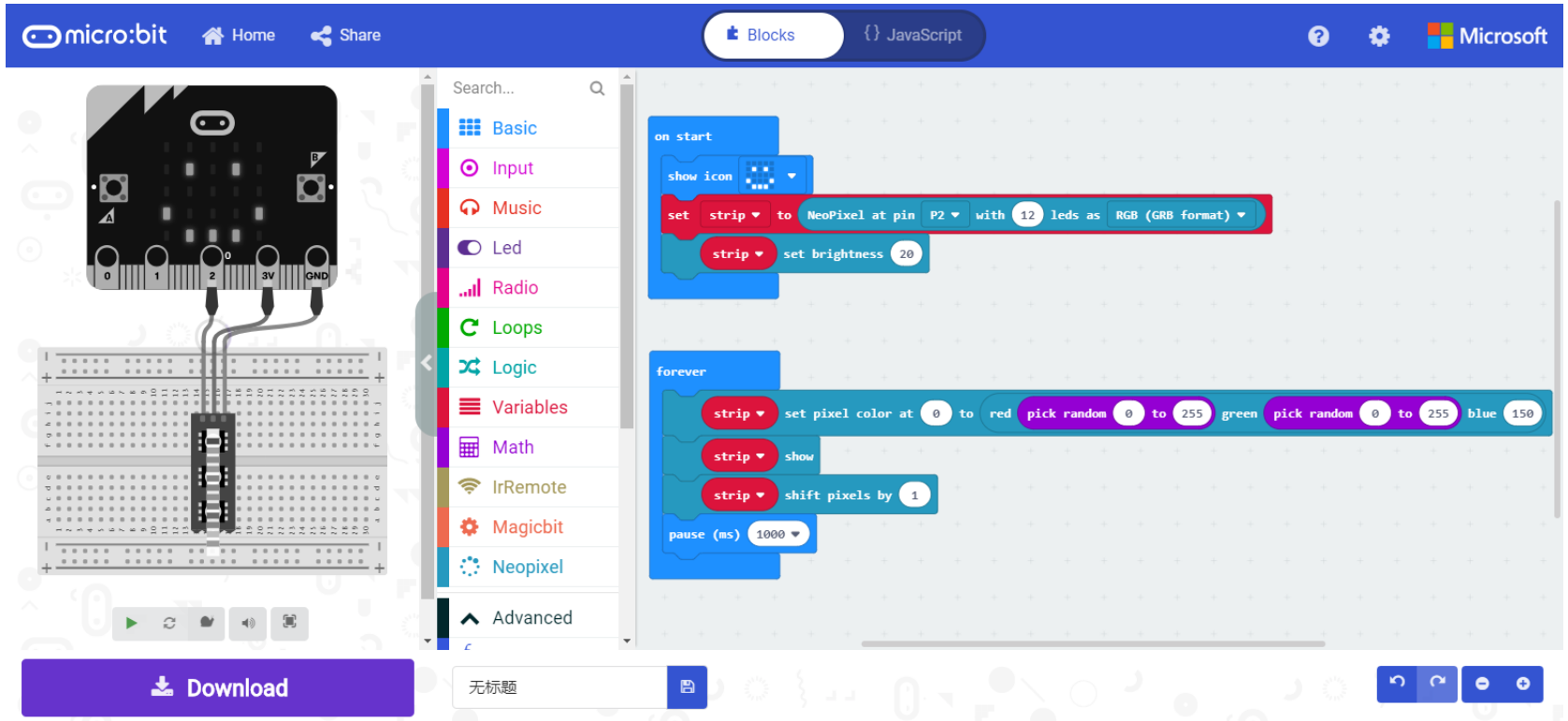
4、Block programming



1. When the it is turned on, the screen will display a smiley face pattern, then set the lamp ring connection and P2 pin, and set the number of leds of the lamp ring to be 12, so that the strip variable represents the lamp ring

2. In the infinite loop, set the lamp ring pixel to 0(referring to the color of the first RGB lamp), and then refresh the display (the RGB lamp will not change until it is refreshed). After display, the pixel offset will be set to 1(the second RGB lamp) for the next loop, such as this loop

Continuously light up the light



5、Download experience

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