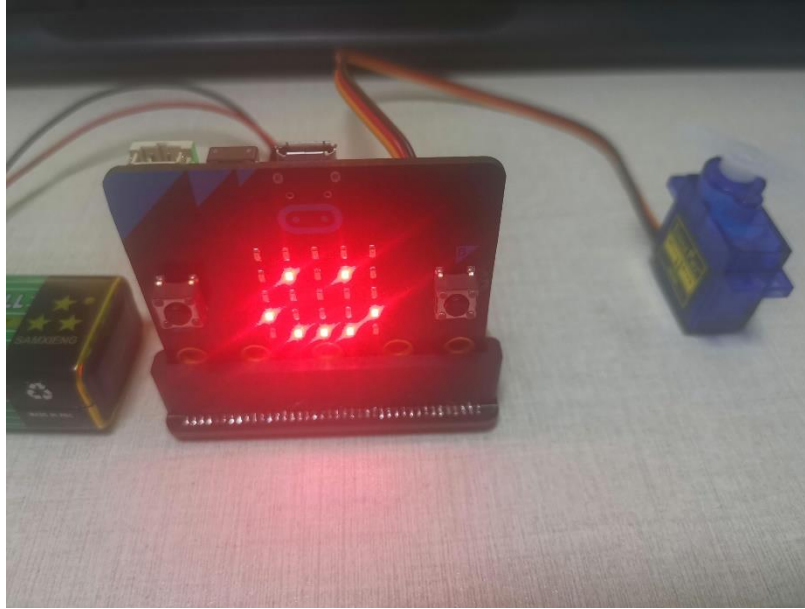


Steering gear rotating

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

Steering gear rotating



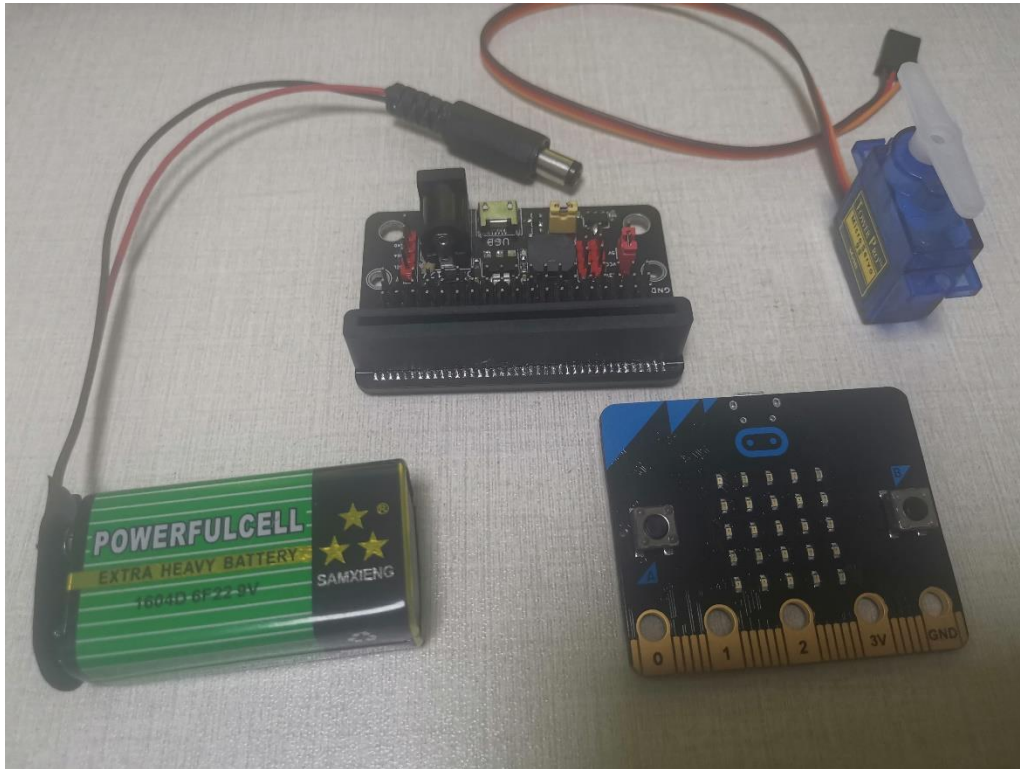
1、Achieve the goal

When the steering gear module is connected to the microbit extension board, the steering gear will rotate continuously to a certain Angle.

Steering gear rotating

2、课前准备

Prepare microbit motherboard, USB cable, battery, extended version, PWM steering gear, dupont line.



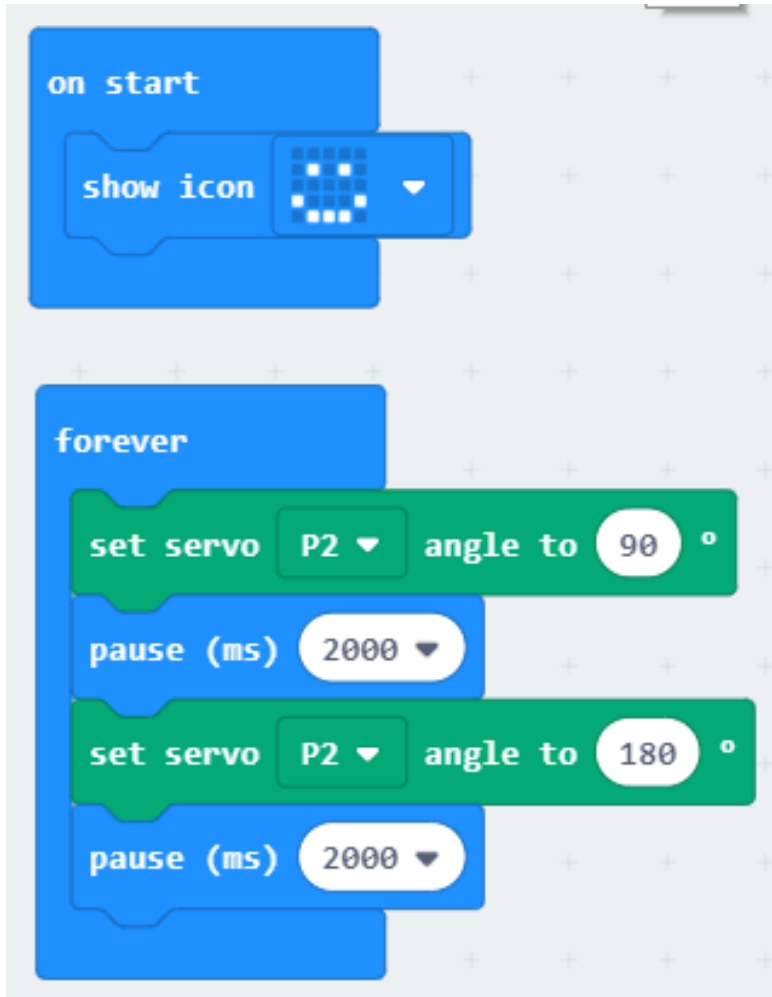
Steering gear rotating

3、Wiring

The brown line of the steering gear is connected to the GND pin of the extension plate, the red line is connected to the VCC pin of the extension plate, and the yellow line is connected to the P2 pin of the extension plate

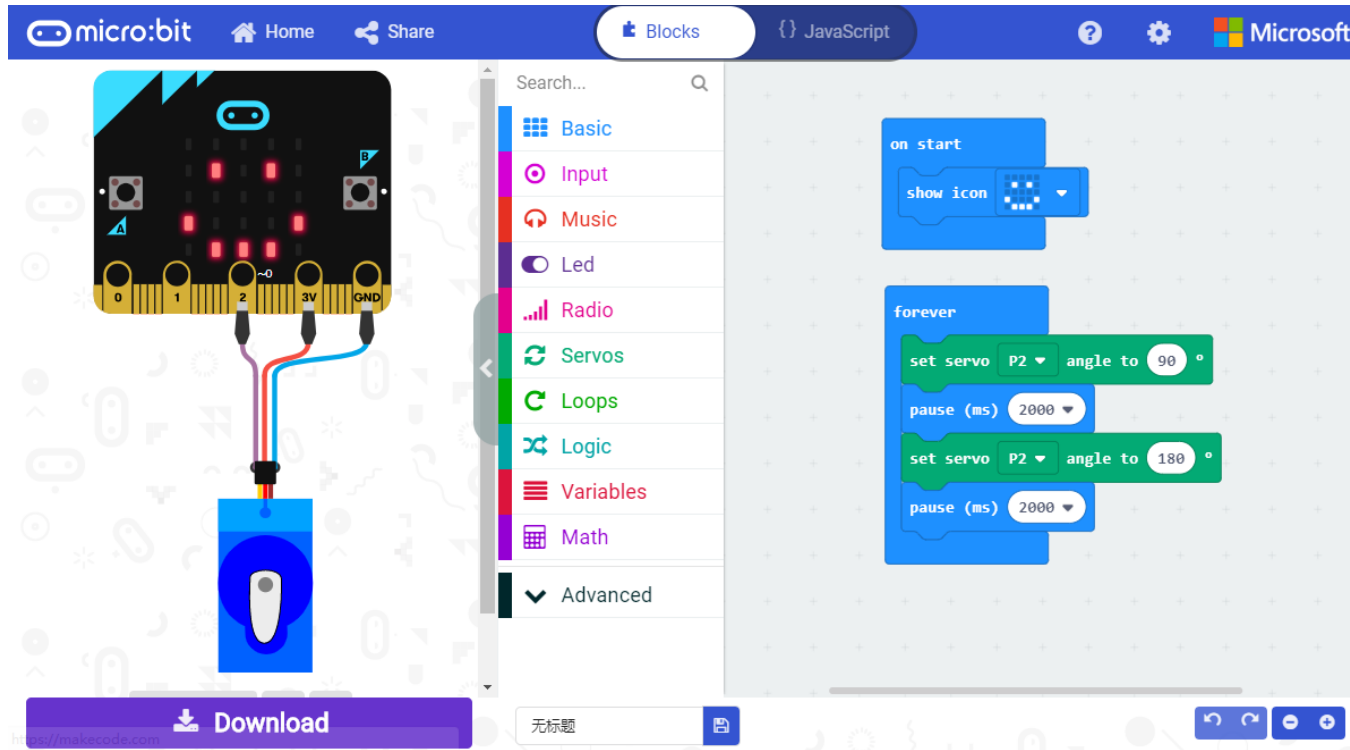
Steering gear rotating

4、Block programming



1. When it is turned on, the screen displays a smiley face
2. In the infinite cycle, the first block controls the steering gear attached to pin P2 to rotate to the position of 90°, then pause 2000ms, then rotate to the position of 180°, then pause 2000ms, and so on

Steering gear rotating



5、Download experience

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