The microbit button controls the digital tube display

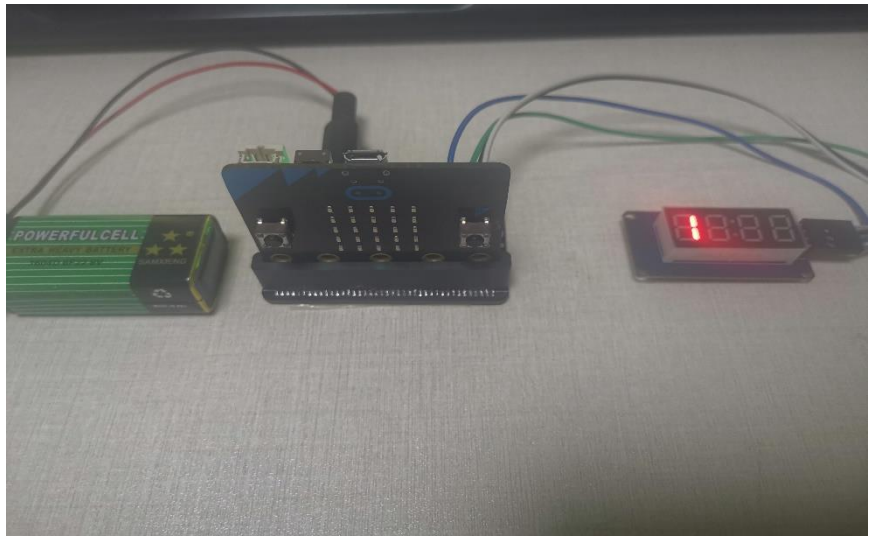
1、Achieve the goal

2、Preparation before class

3、Wiring

4、Block programming

The microbit button controls the digital tube display

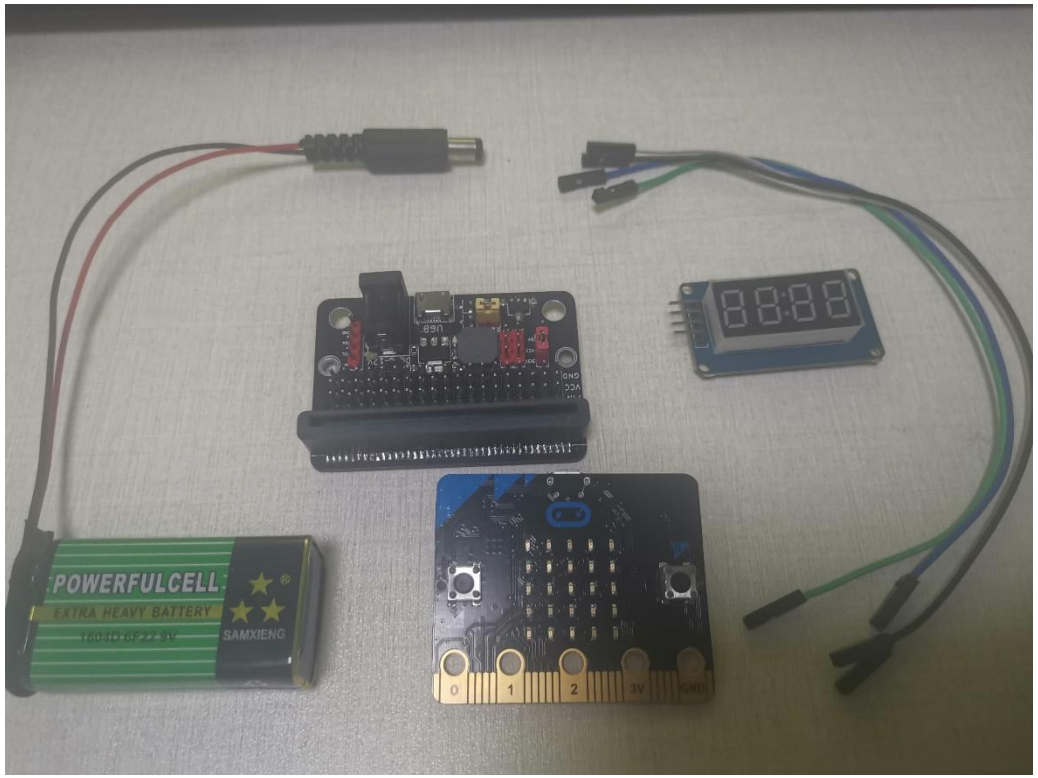


1、Achieve the goal

When button A of the microbit motherboard is pressed, the first display of the digital tube is 1, and when button B of the microbit expansion board is pressed, the first display of the digital tube is 2

The microbit button controls the digital tube display

2、Preparation before class



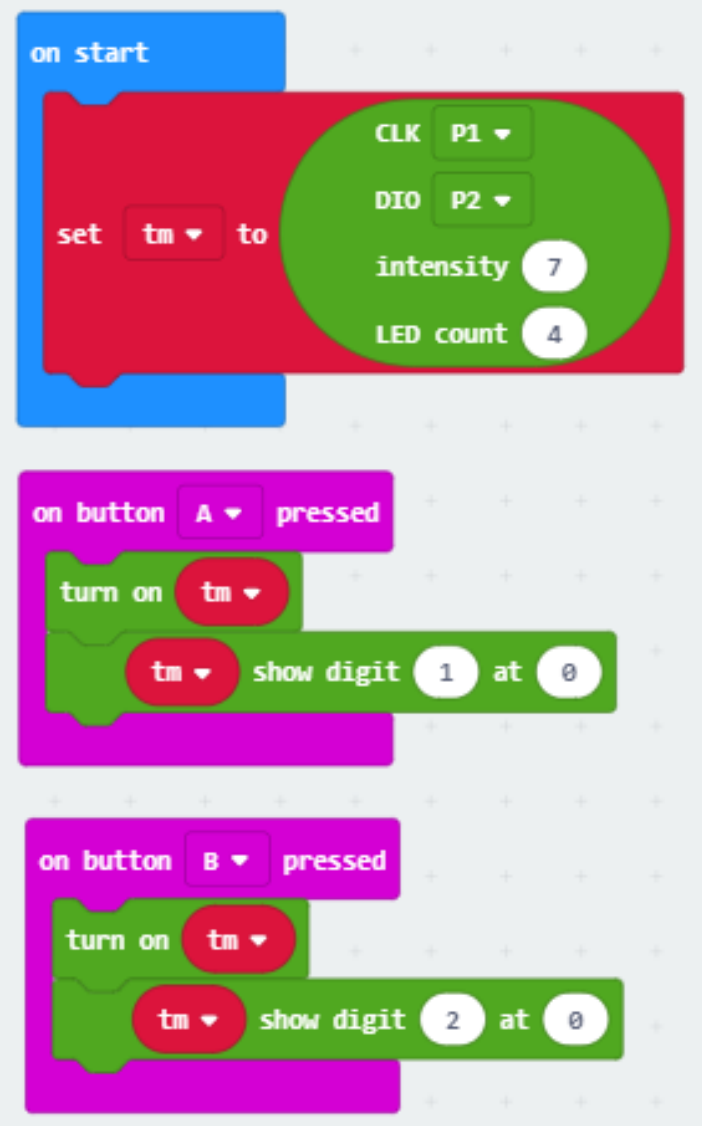
Prepare microbit mainboard, USB cable, battery, 4-bit digital tube module, expansion board, dupont cable.

The microbit button controls the digital tube display

3、Wiring

Digital tube CLK pins are connected to the extended version P1, DIO pins to the extended version P2, VCC pins to the extended version VCC, and GND pins to the extended version GND

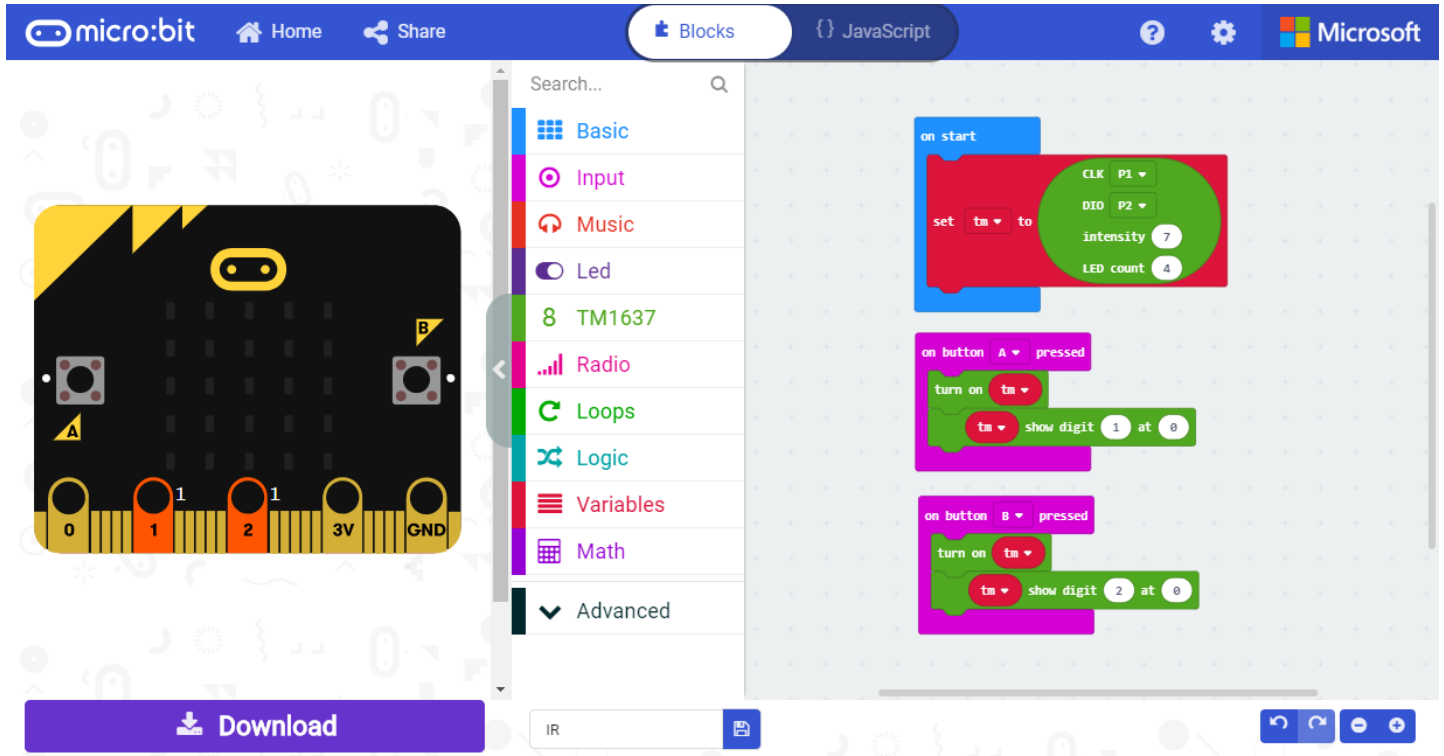
The microbit button controls the digital tube display



4、Block programming

1. When starting up, initialize the digital tube, set the digital tube CLK pin to be connected to the extended version P1 and the DIO pin to be connected to the extended version P2, set the intensity intensity to 7, and set the number of digits of the digital tube to 4
2. When button A is pressed, the digital tube first displays 1; When button B is pressed, the digital tube first displays 2

The microbit button controls the digital tube 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