1、 Achieve the goal

2、 Preparation before class
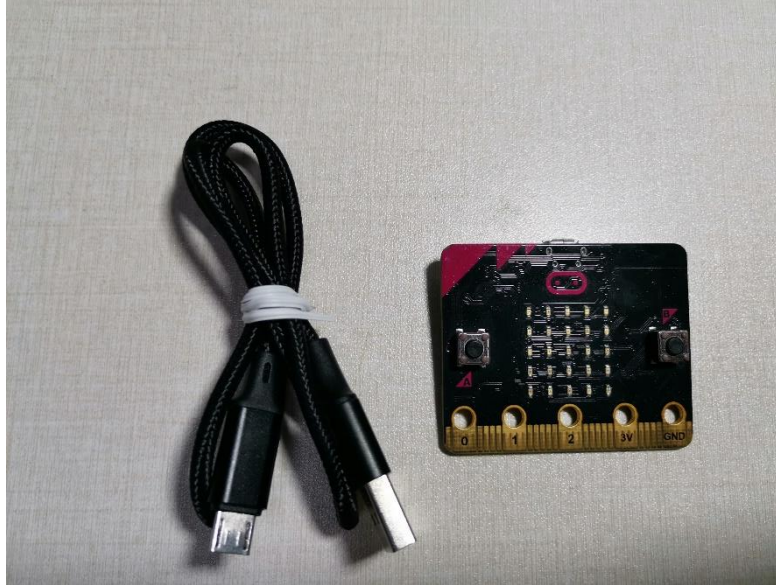
3、 Block programming

Section 12: circulation

ay:33

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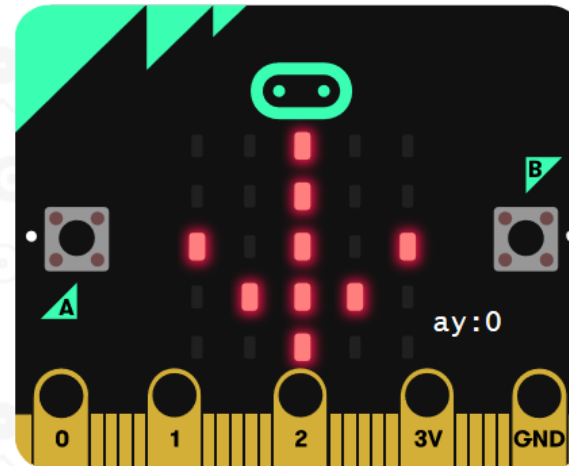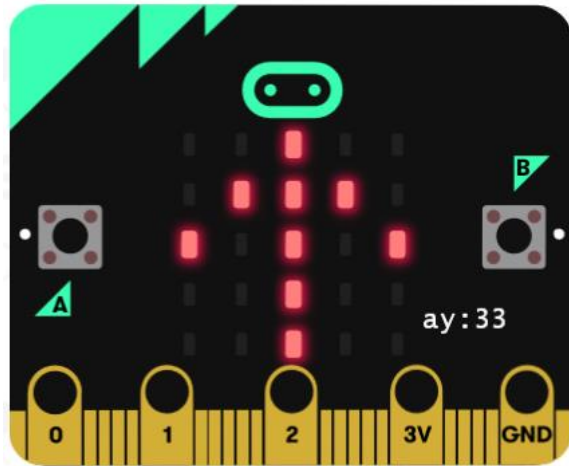
1、Achieve the goal

When the microbit is up and forward, if the microbit is moving forward quickly, it displays an arrow pointing forward. If the microbit moves backwards quickly, it displays a backward arrow.

2、Preparation before class
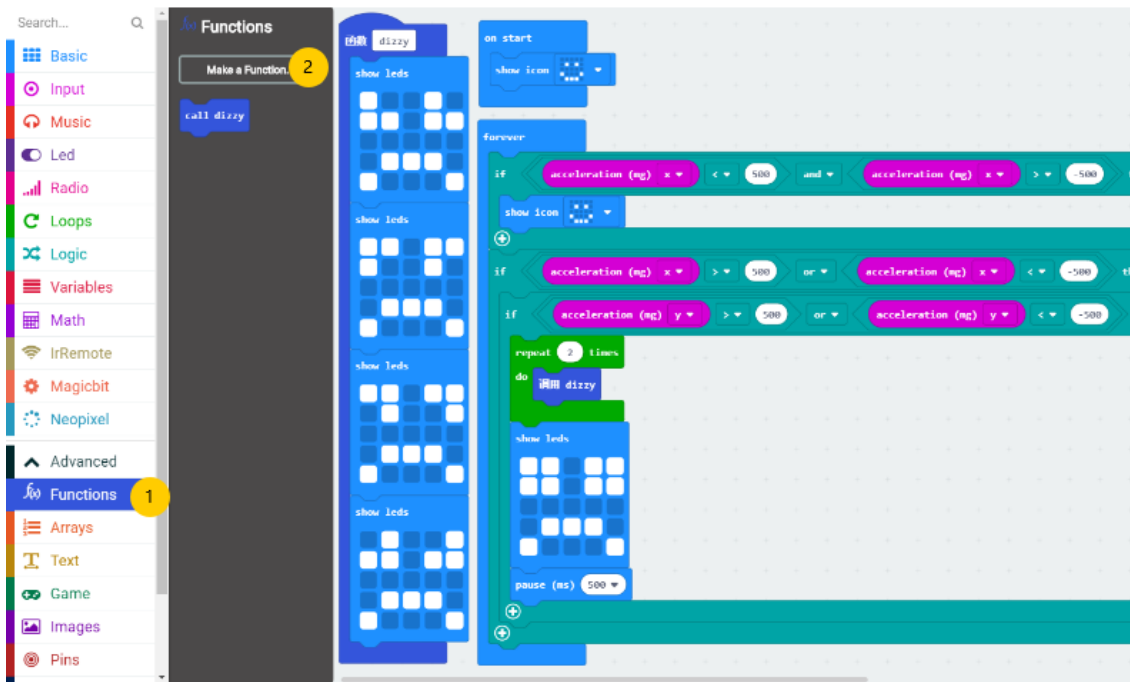
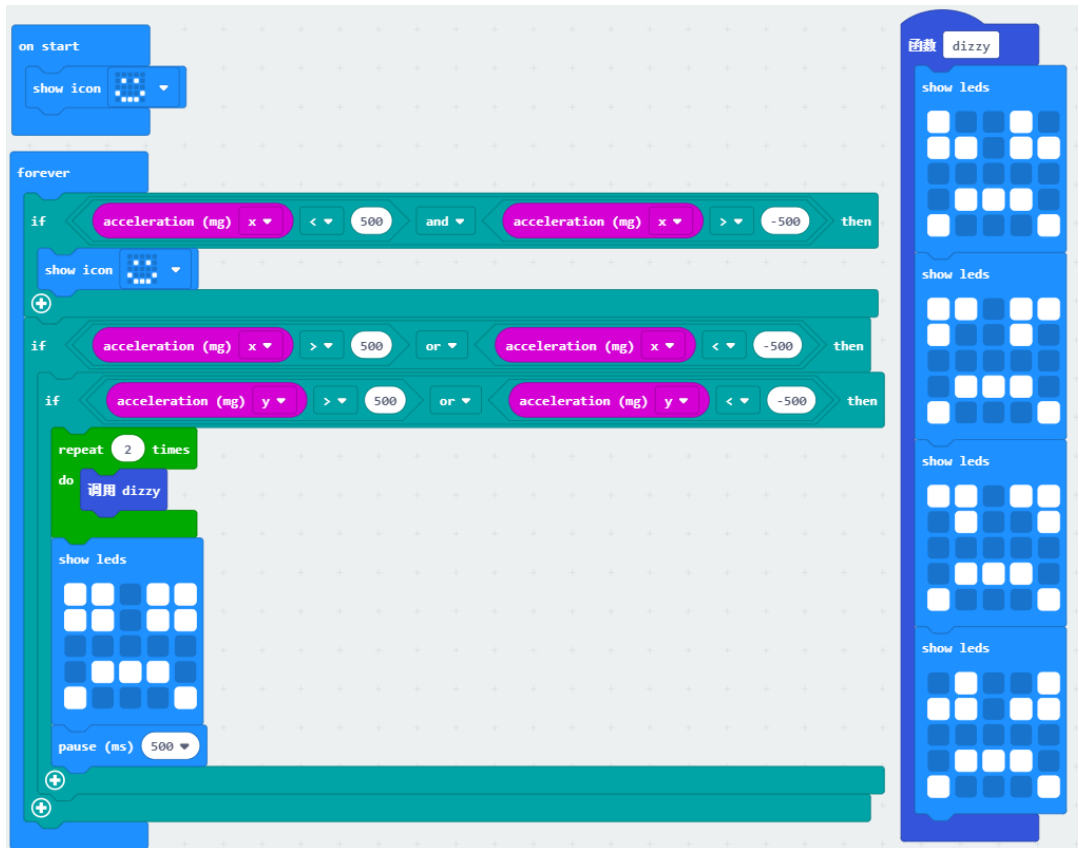Prepare a microbit motherboard, a USB cable, and a computer

3、Block programming

1. In the function package, we can create a function

2. What does a function do? A function is a package that can be packed with program blocks. When we need to use the program building blocks in a function, we only need to use the building blocks of the function.

3、 Block programming

3. Enter the infinite loop. If the acceleration value of X-axis is in the range of -500~500, the screen will display a smiley face. If the X-axis acceleration is greater than 500 or less than -500, and the Y-axis acceleration is greater than 500 or less than -500, the function will be executed twice, that is, the program blocks in the function will be executed twice, and then the screen will display the rest, Delay 500 ms
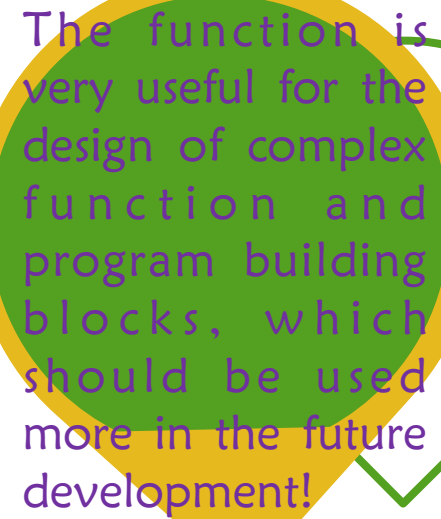
Section 12: circulation
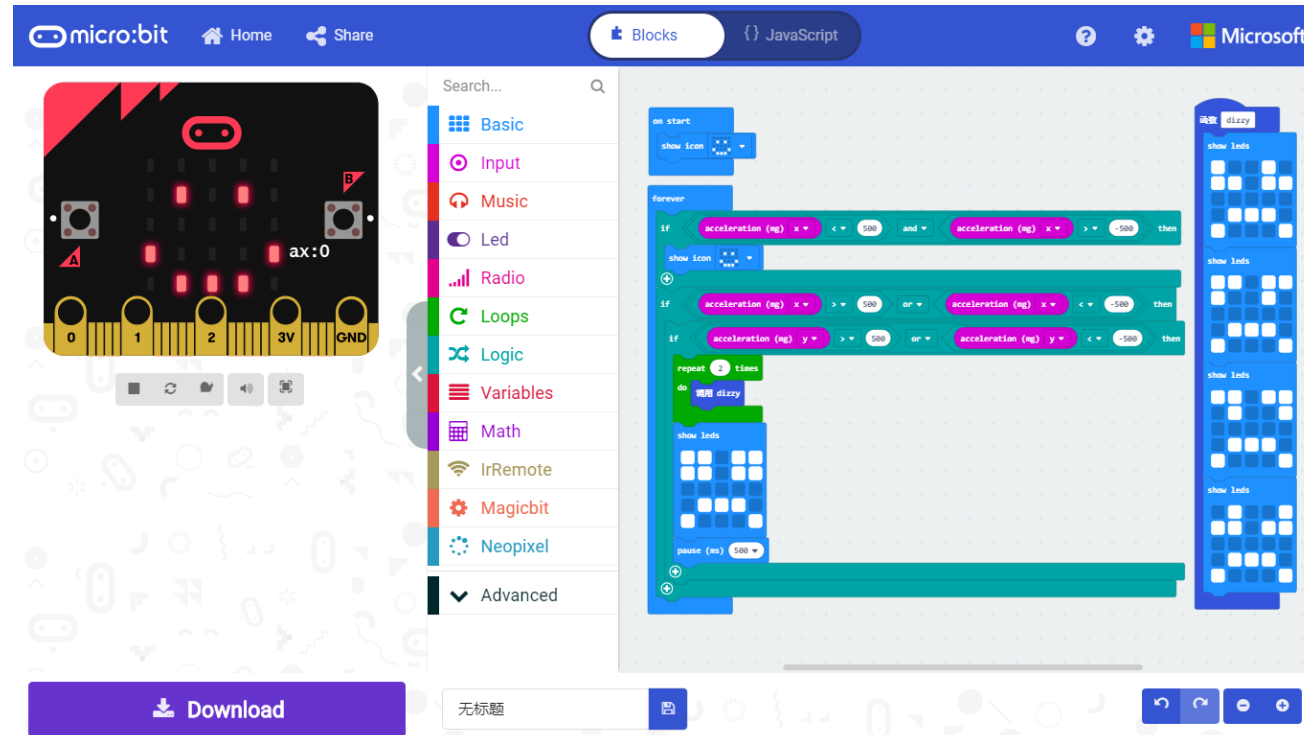
Download experience

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

Section 12: circulation

Did your program work ???

The function is very useful for the design of complex function and program building blocks, which should be used more in the future development!