

Marquee

1.Learning goals

In this lesson, we mainly learn how to control the color of RGB by micro:bit and Super:bit expansion board.

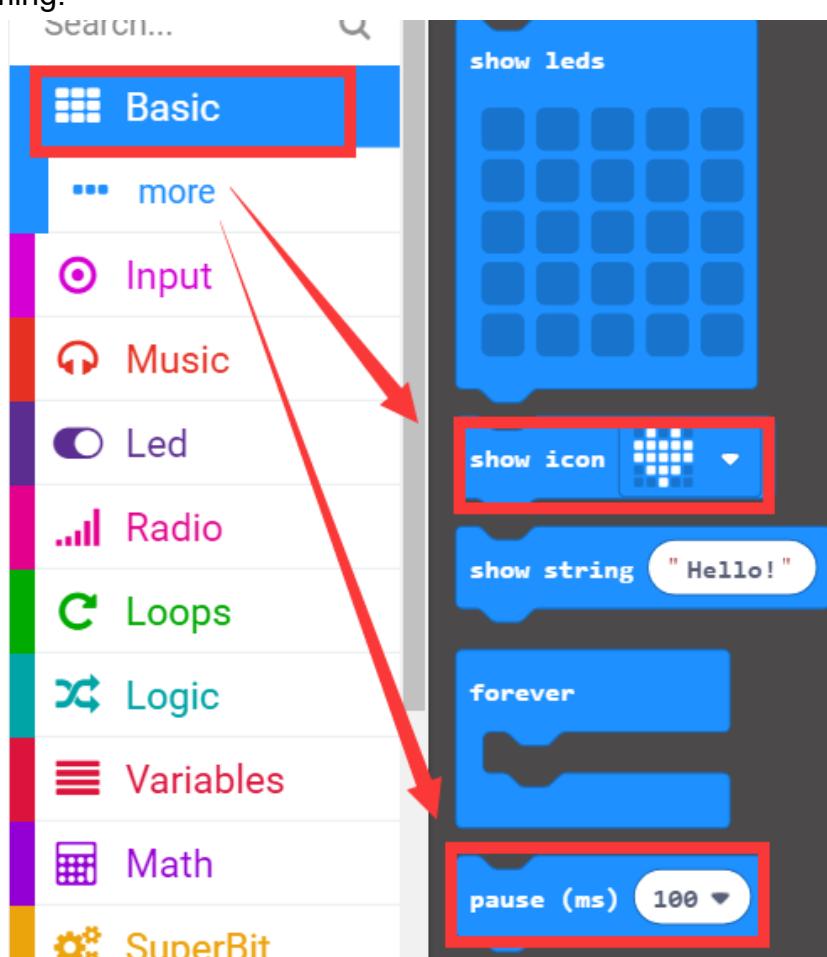
2.Programming method

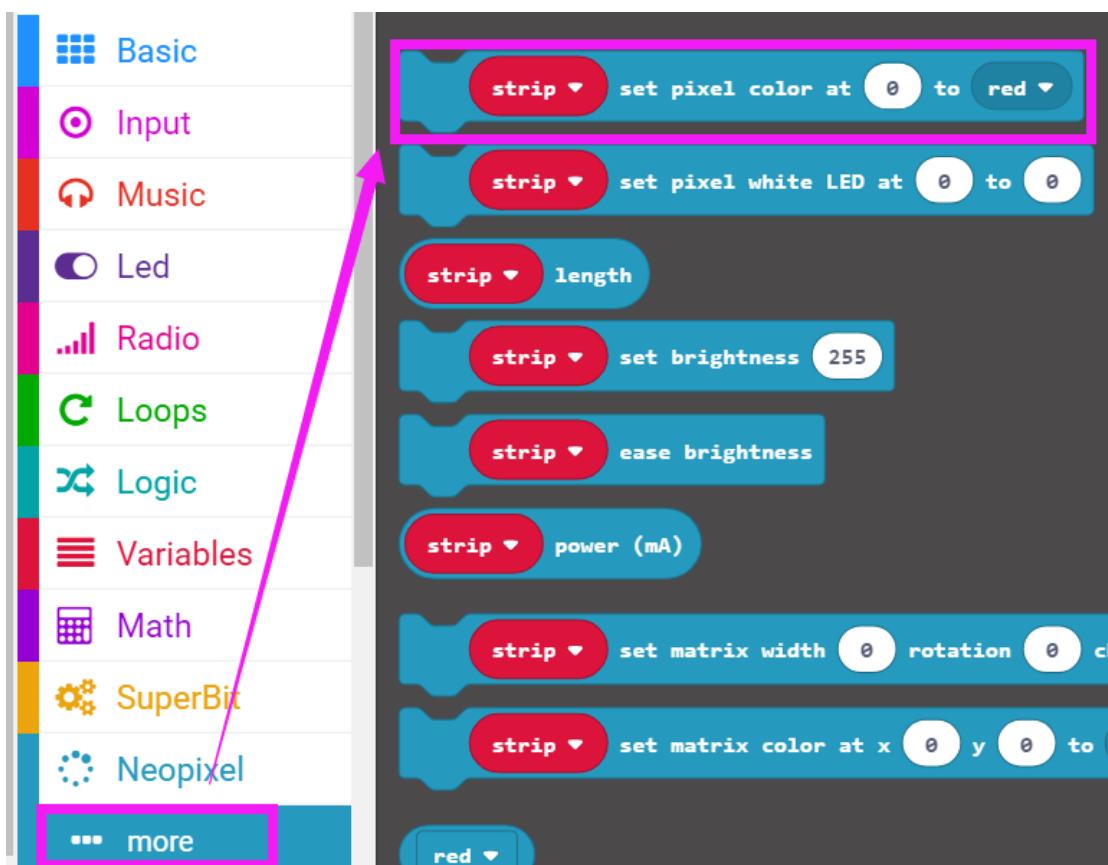
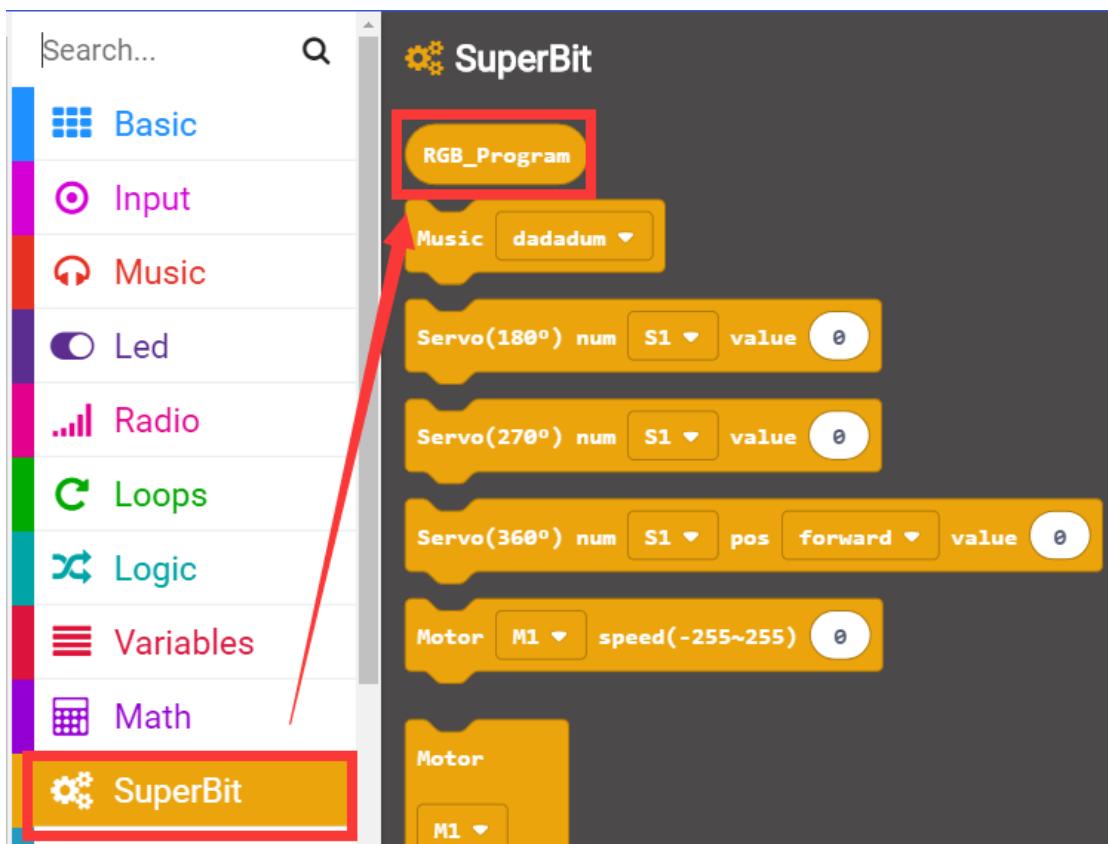
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: <http://microbit.org/> to enter the programming interface. Add the Yahboom package <https://github.com/lzty634158/SuperBit> to program.

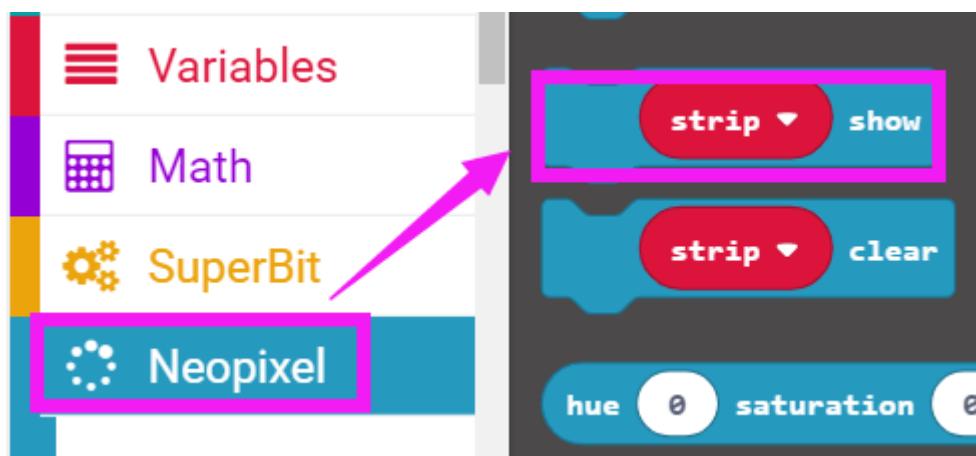
Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click 【New Project】 , add Yahboom package: <https://github.com/lzty634158/SuperBit>, you can program.

3.Looking for blocks

The following is the location of the building blocks required for this programming.

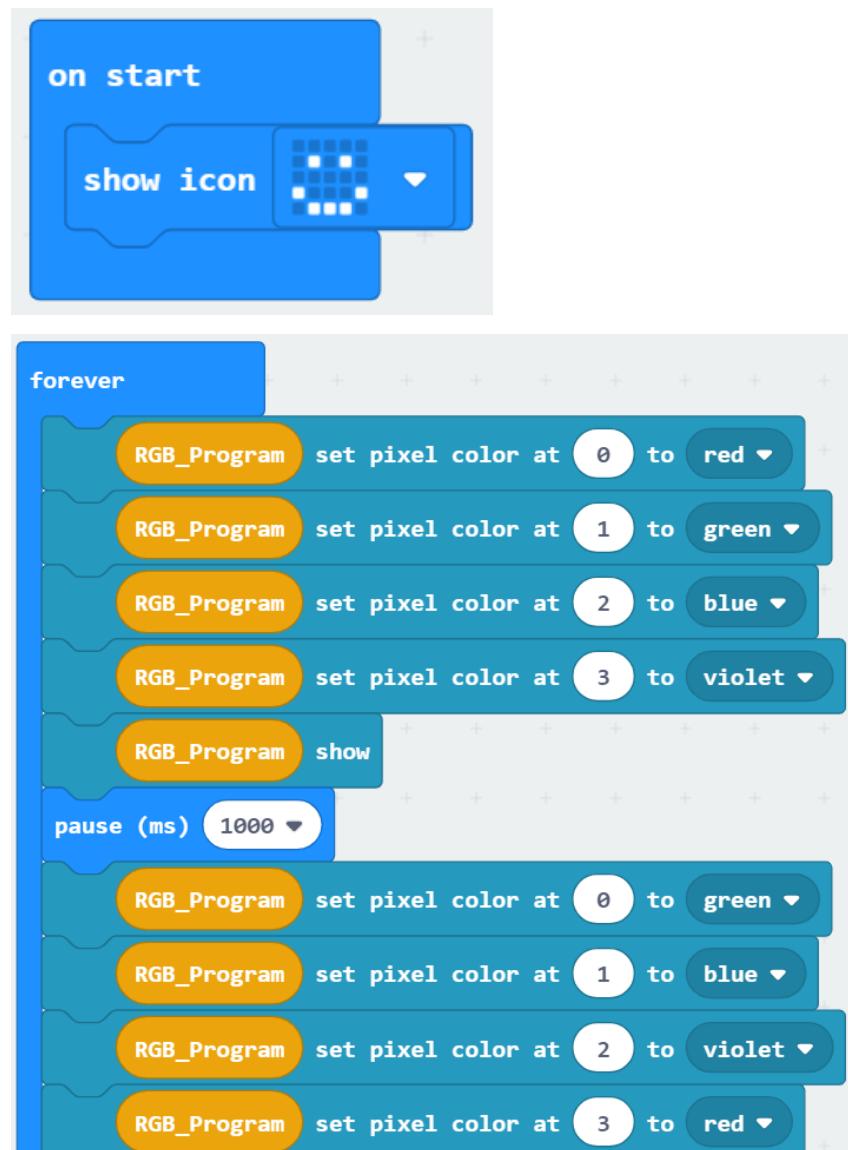


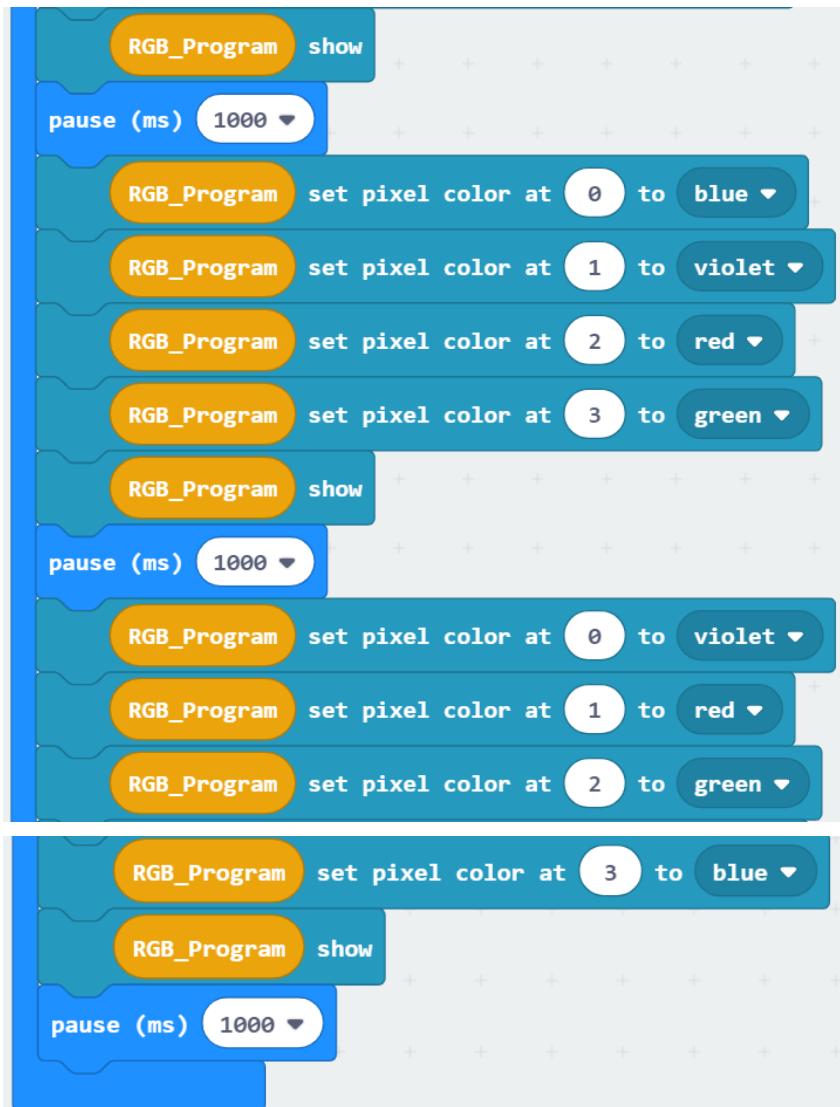




4. Combine building block

The summary program is shown below:





5. Experimental phenomena

After the program is successfully downloaded, the micro:bit dot matrix will display the smile pattern.

We can see that the 4 RGB lights on the super:bit expansion board are lit up in turn with different color, which looks like Marquee.

The color of the RGB lights are changed every 1 seconds.