Dot matrix

1.Learning goal

In this course, we mainly know LED:bit and learn the use of building blocks in the LEDBit extension package.

The experimental results we are about to achieve is that, when the A button on the micro:bit board is pressed, the micro:bit dot matrix displays "ON" and the LED:bit is on at full screen, when the micro:bit B button is pressed, the micro:bit dot matrix displays "OFF" and the LED: bit is off at full screen.

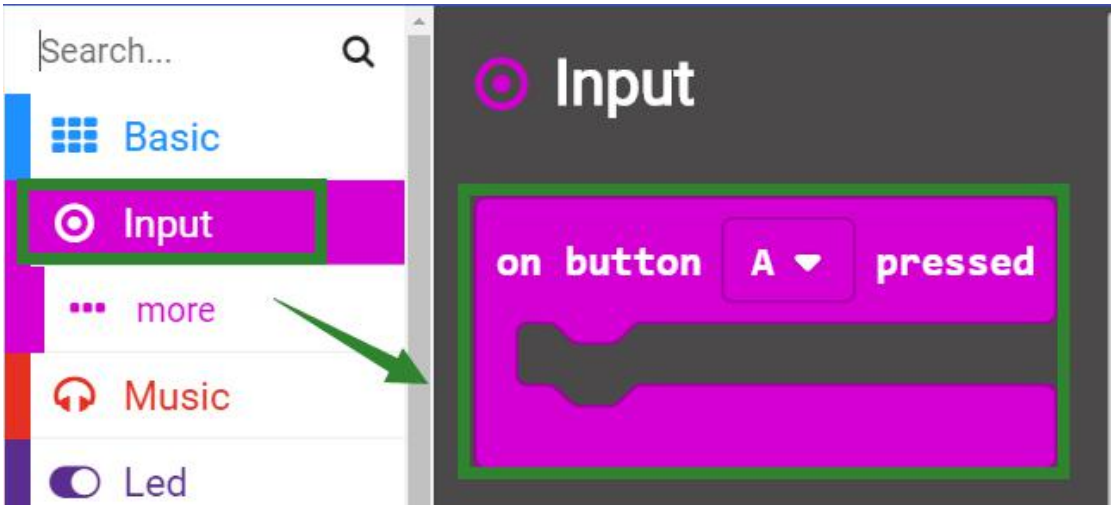
2.Programming method

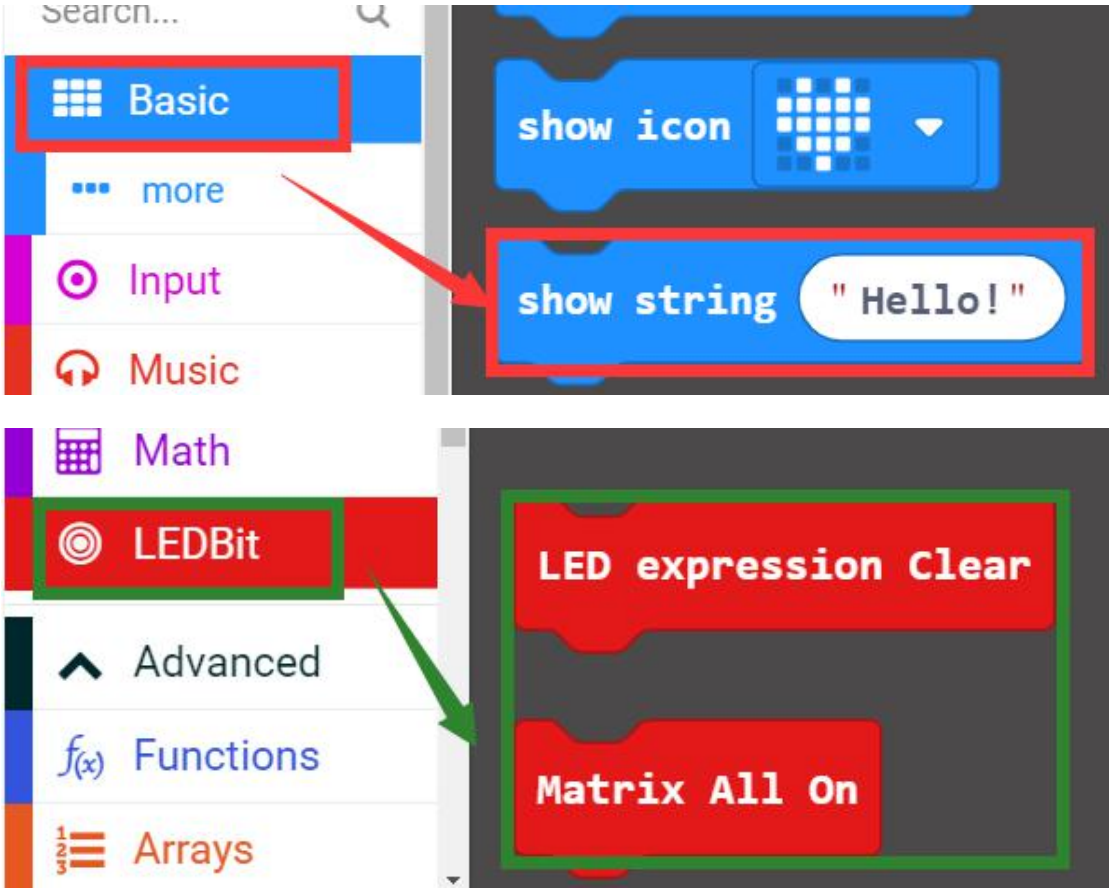
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: **http://microbit.org/** to enter the programming interface. Add the Yahboom package **https://github.com/lzty634158/LED-Bit**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

3.Looking for blocks

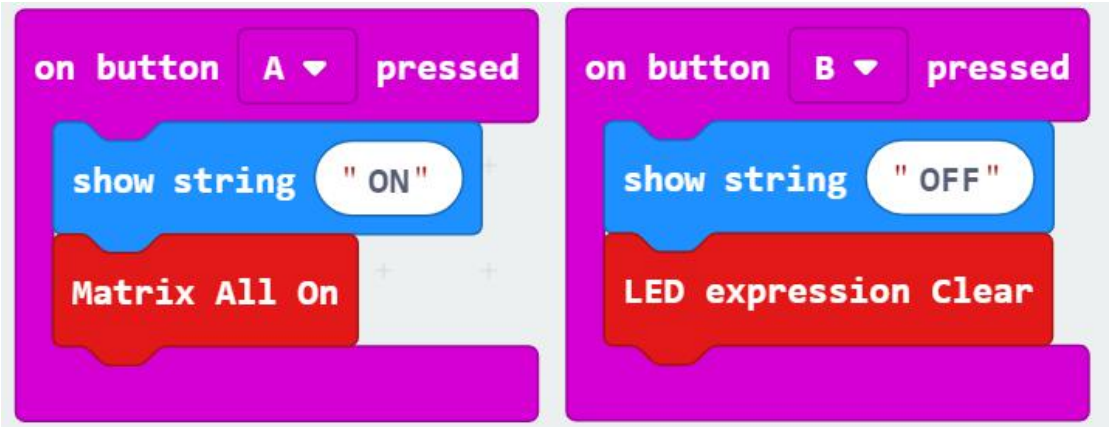
The following is the location of the building blocks required for this programming.





4.Combine building block

The summary program is shown below:



5. Experimental phenomena

After the program is successfully downloaded, when the A button on the micro:bit board is pressed, the micro:bit dot matrix displays “ON” and the LED:bit is on at full screen; when the micro:bit B button is pressed, the micro:bit dot matrix displays "OFF" and the LED: bit is off in full screen. As shown below.