Target-integrator

1.Learning goals

In this course, we mainly use building block to build a target frame, fix the micro:bit and Basic expansion board to the target frame, and learn how to use the input building blocks to detect whether the micro:bit is picked up by the ball.

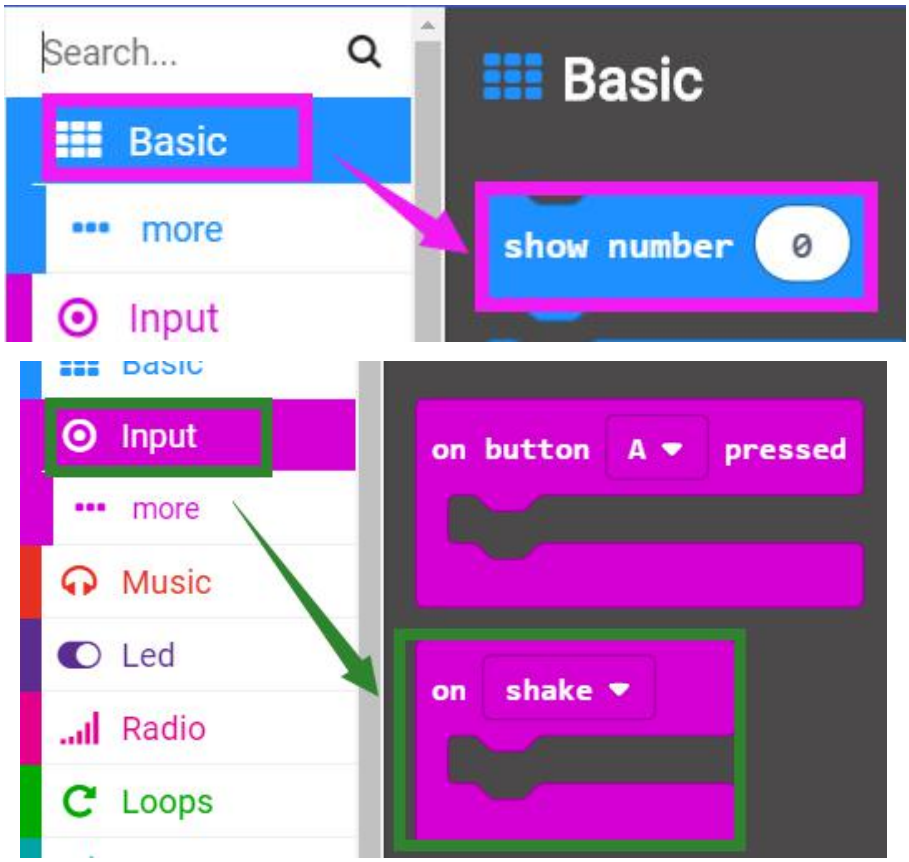
2.Programming method:

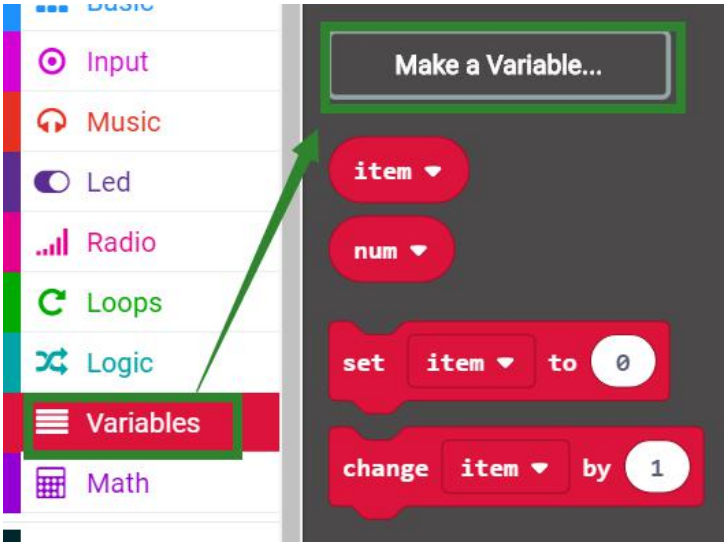
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: **http://microbit.org/** to enter the programming interface to program.

Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click【New Project】to program.

3.Looking for blocks

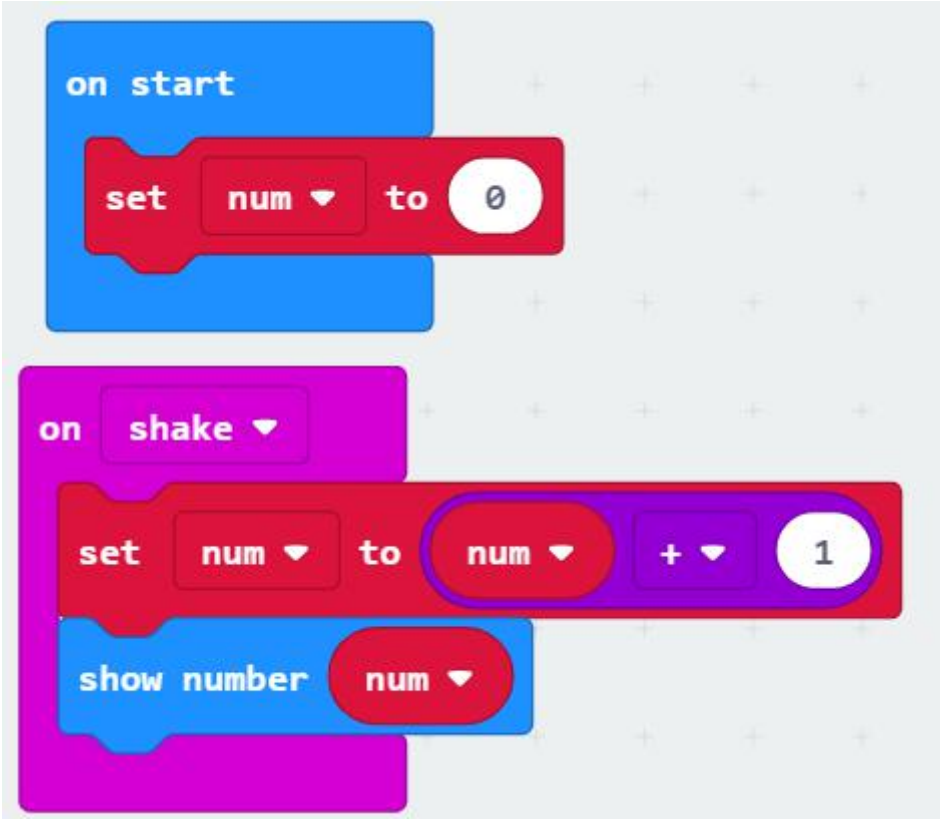
The following is the location of the building blocks required for this programming.





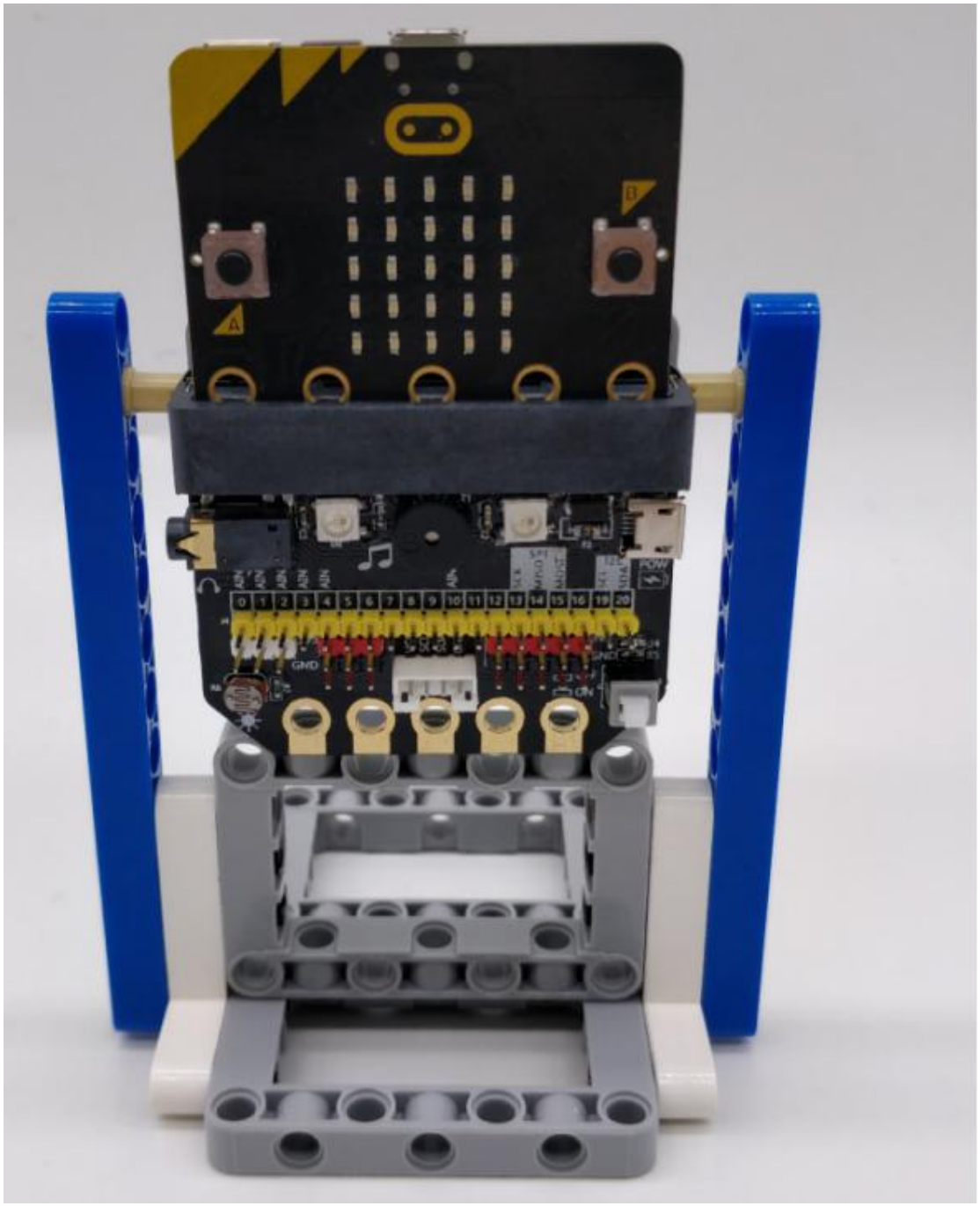
4.Combine building block

The summary program is shown below:



5. Experimental phenomena

After the program is successfully downloaded, there is no display on the micro:bit dot matrix.

After the micro:bit is is picked up by the ball, it will cause the vibration to make the micro:bit count, and the score will be displayed on the dot matrix.

If you need to start again, press the reset button on the back of the micro:bit motherboard.