

270°Building_block_servo

1. Learning goal

In this course, we mainly learn the 270° building block servo and learn how to use the Mbit_motor building block and the Super:Bit building block to control the rotation of the 270° building block servo.

2. Programming method:

Basic:bit expansion board:

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/yahboom_mbit_en 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/yahboom_mbit_en, you can program.

Super:bit expansion board:

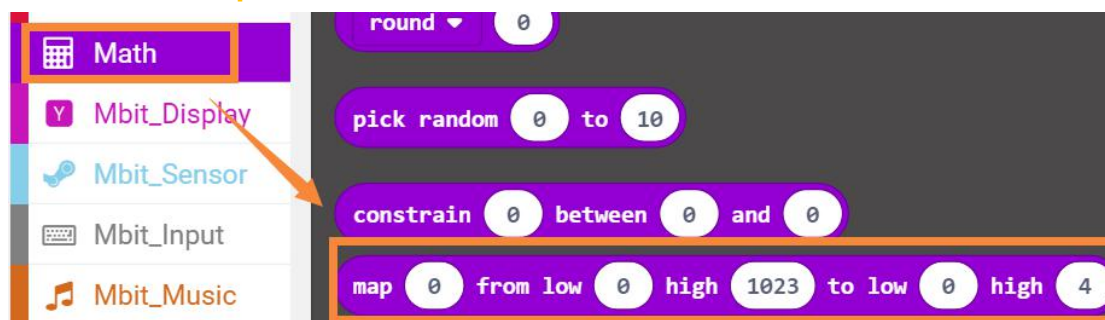
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: <http://microbit.org/> to enter the programming interface. Add the Yahboom package <https://github.com/lzty634158/SuperBit>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

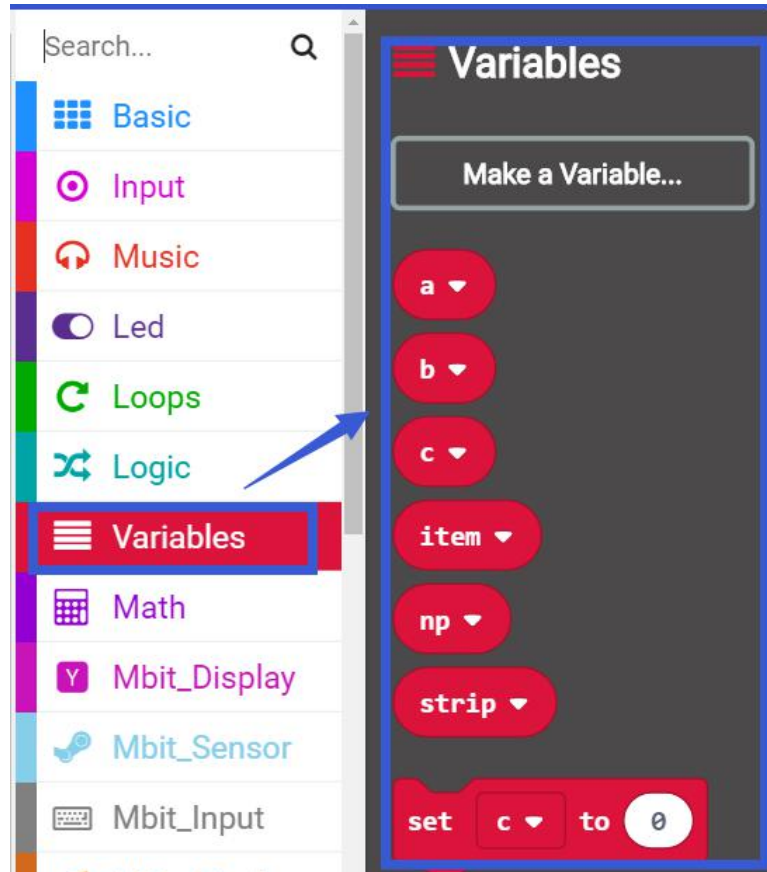
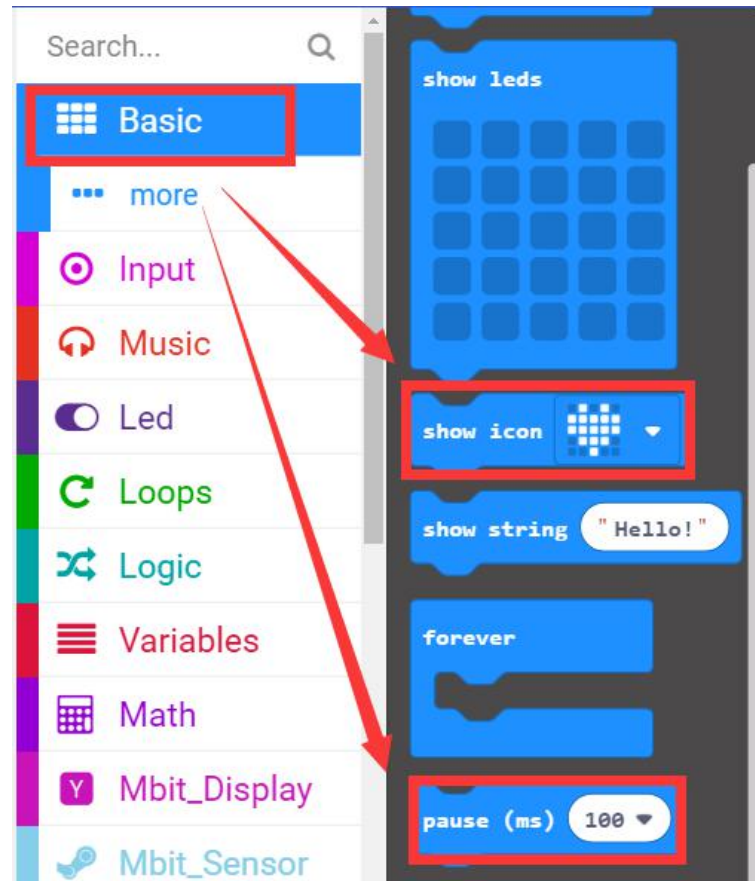
Mode 2 offline programming: We need to open the offline programming software. After the installation is complete, enter the programming interface, click **【New Project】**, add Yahboom package: <https://github.com/lzty634158/SuperBit>, you can program.

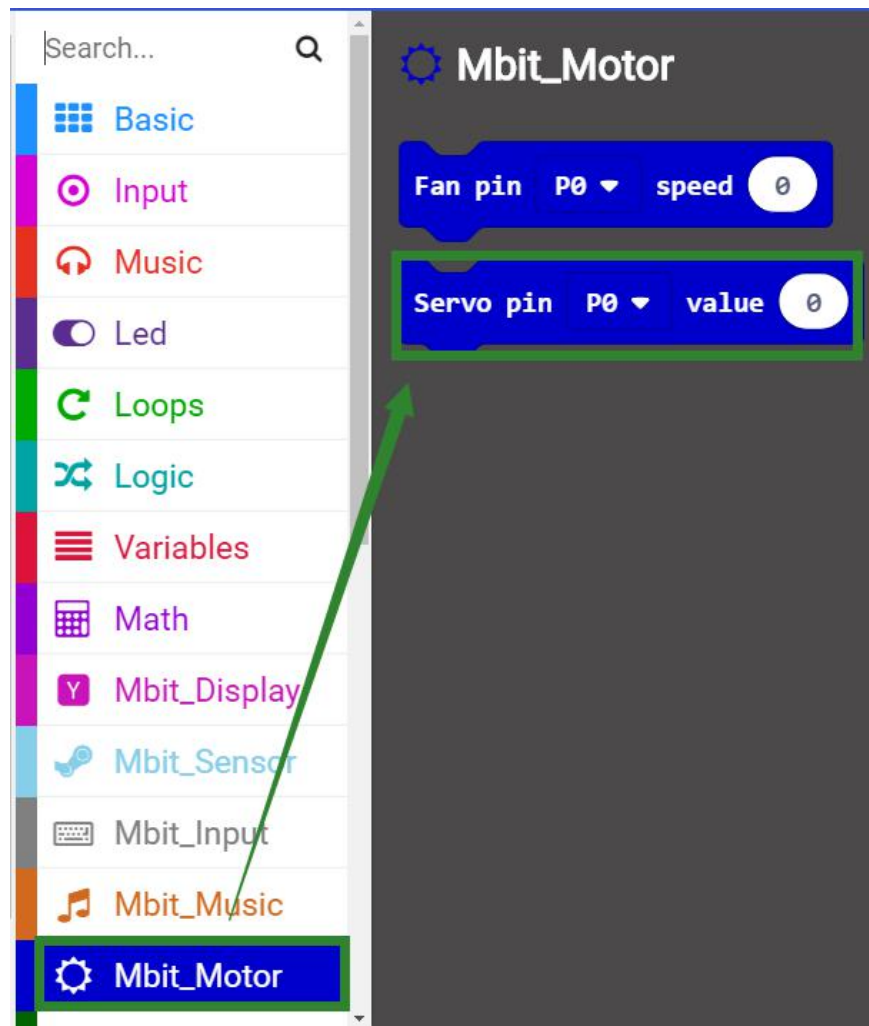
3. Looking for blocks

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

Basic:bit expansion board:

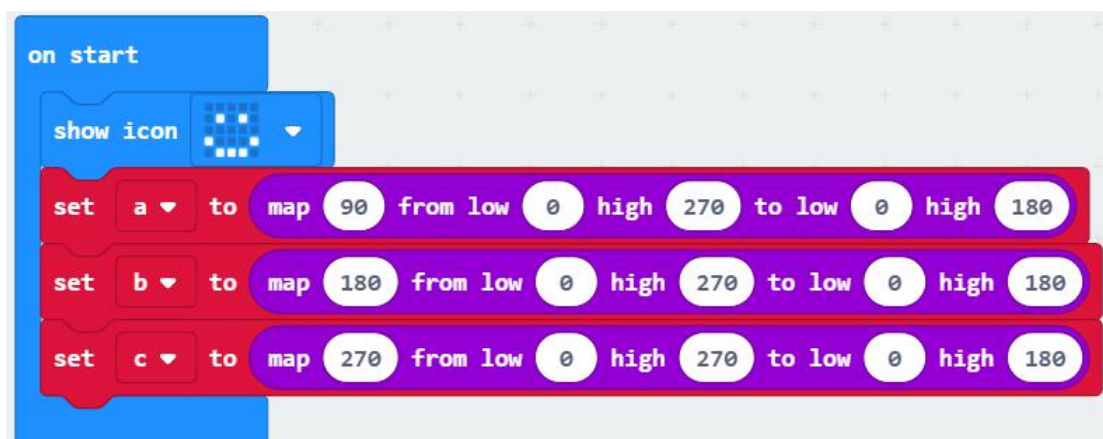






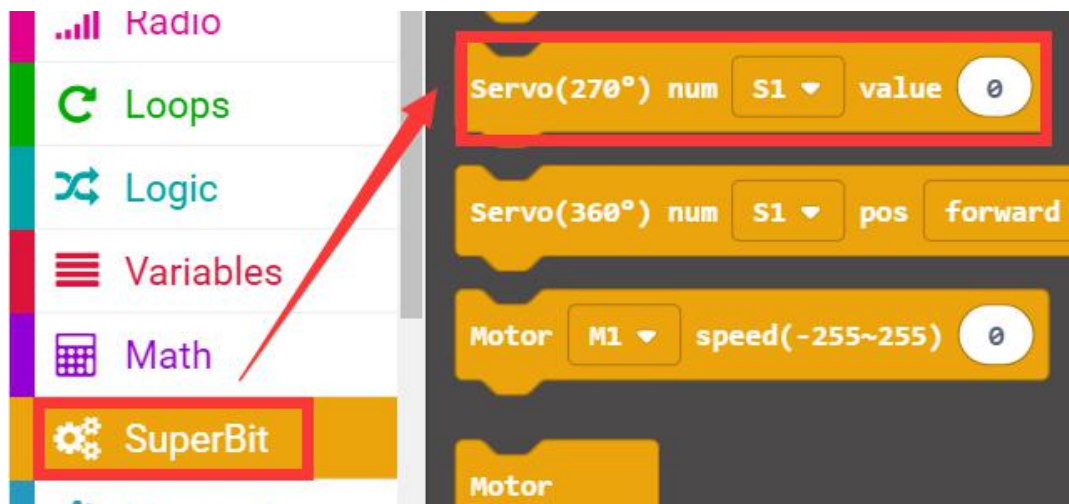
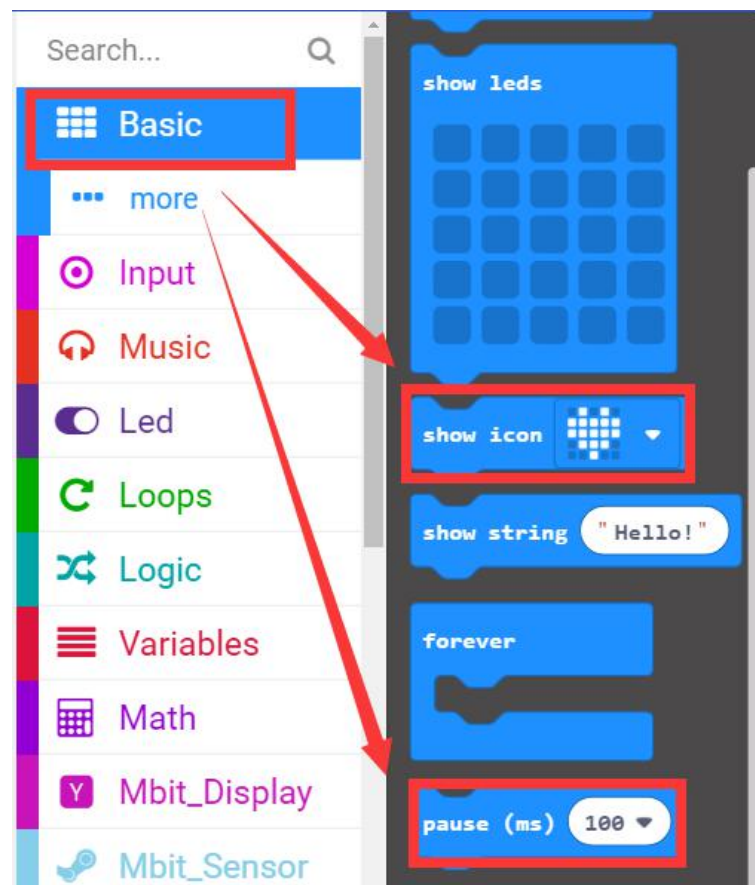
4.Combine building block

The summary program is shown below:



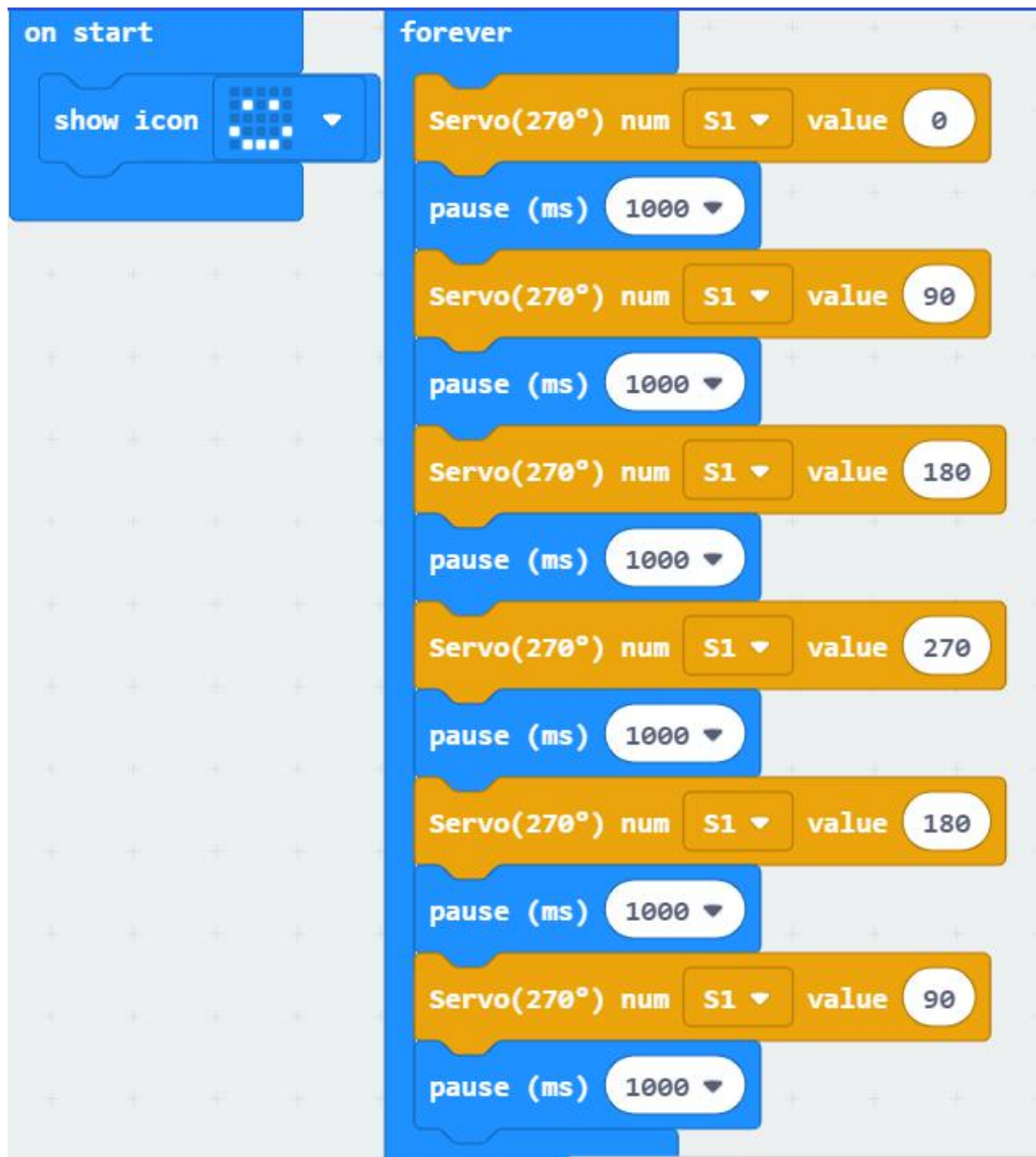


Super:bit expansion board:



4.Combine building block

The summary program is shown below:



6. Experimental phenomena

After the program is successfully downloaded, the micro:bit dot matrix is not display, the 270° servo turns 0°->90°->180°->270°->180°->90°->0° and keeps the cycle.