

## Swimming\_robot

### 1.Learning goals

In this lesson, we mainly learn how to control building block motor by micro:bit and Super:bit expansion board.

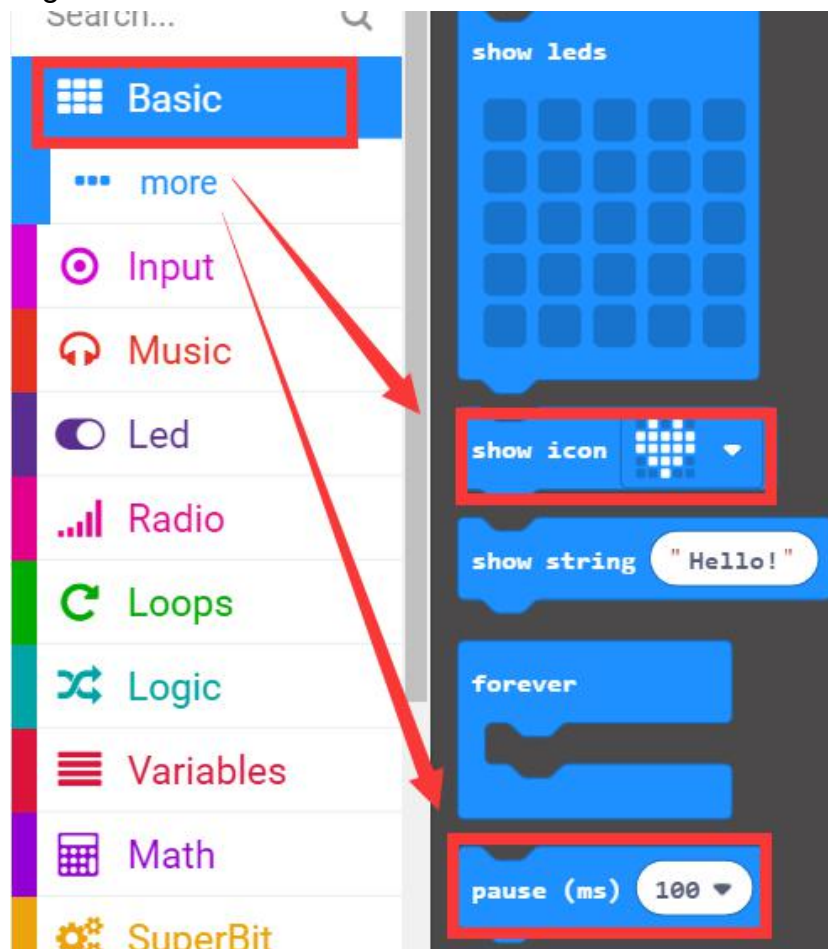
### 2.Programming method

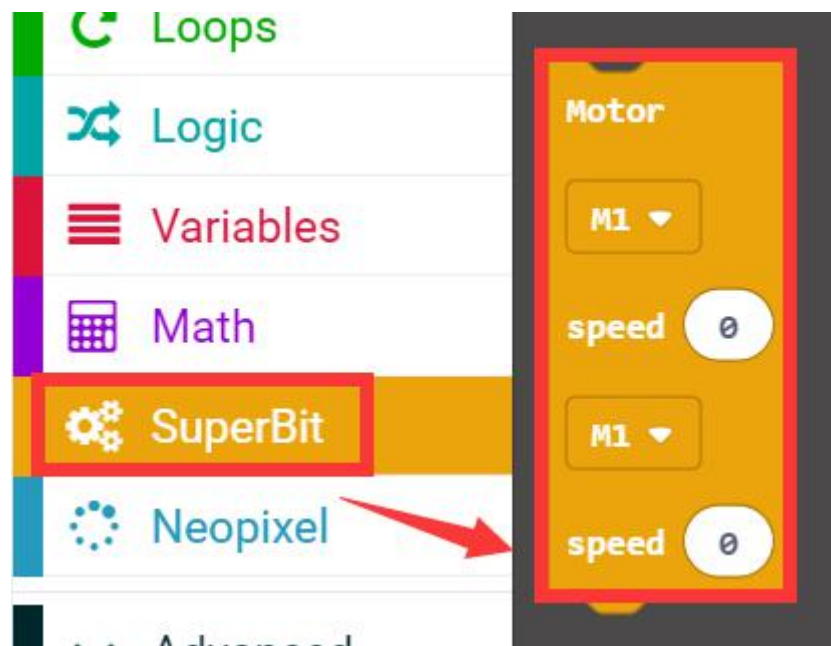
**Mode 1 online programming:** First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: <http://microbit.org/> to enter the programming interface. Add the Yahboom package <https://github.com/lzty634158/SuperBit>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

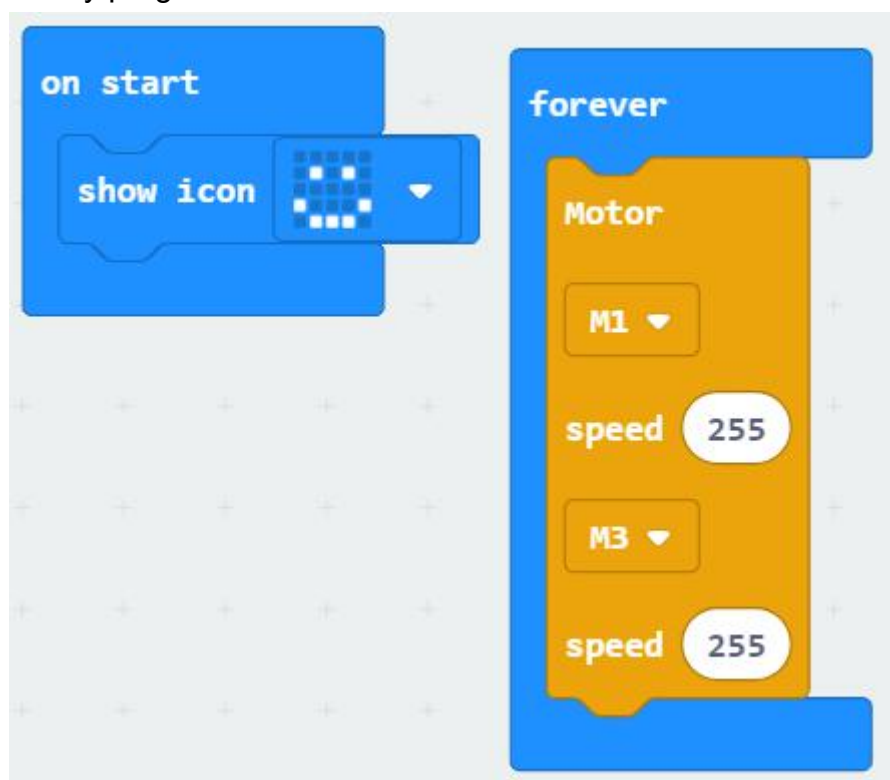
The following is the location of the building blocks required for this programming.





#### 4. Combine building block

The summary program is shown below:



#### 5. About wiring

We need to connect two building block motors to the M1 and M2 interfaces of the Super:bit expansion board.

#### 6. Experimental phenomena



After the program is successfully downloaded, turn on the power switch, the micro:bit dot matrix will display a smile, and the two building blocks will rotate forward at the same time.

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