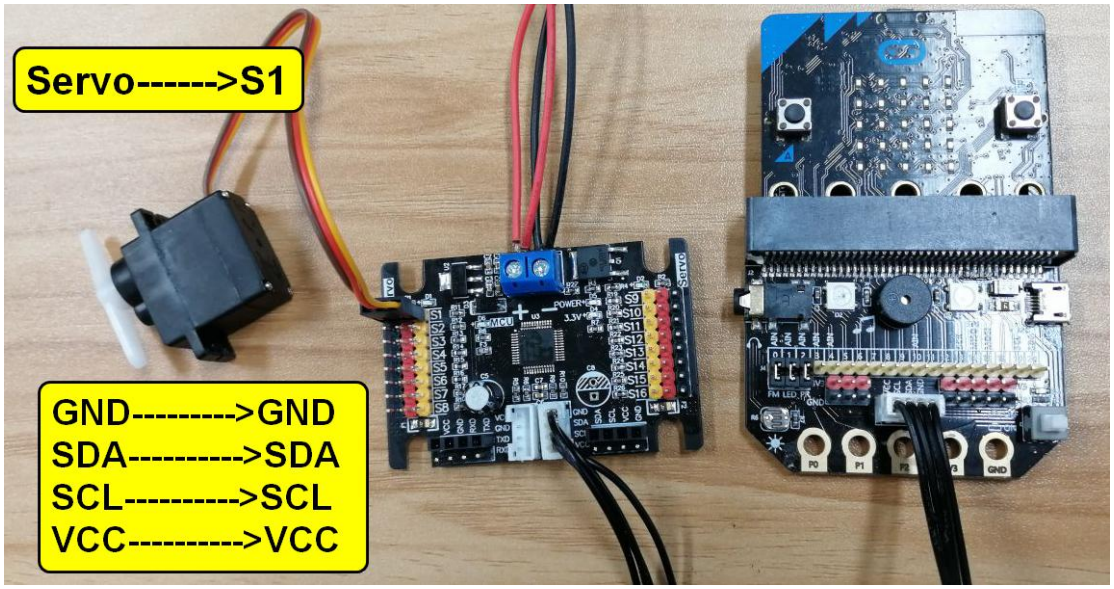
IIC control servo

1. Learning target

In this course, we will earn how to use Micro:bit and 16-channel servo debugging board to control servo.

2. Preparation

Connect the module to Micro:bit board by expansion board, as shown below.



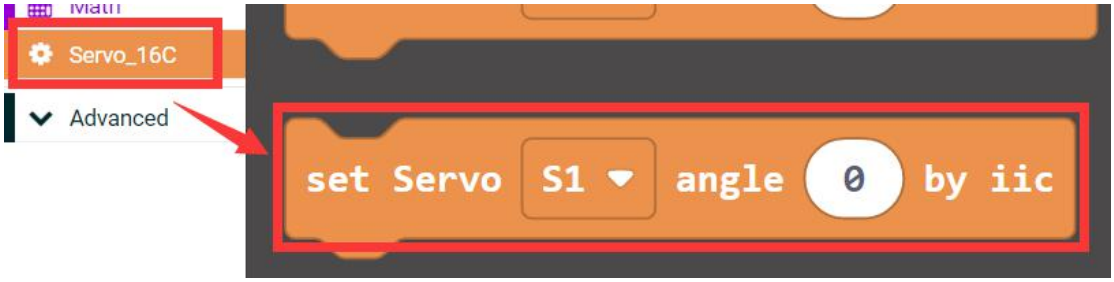
3.Programming method

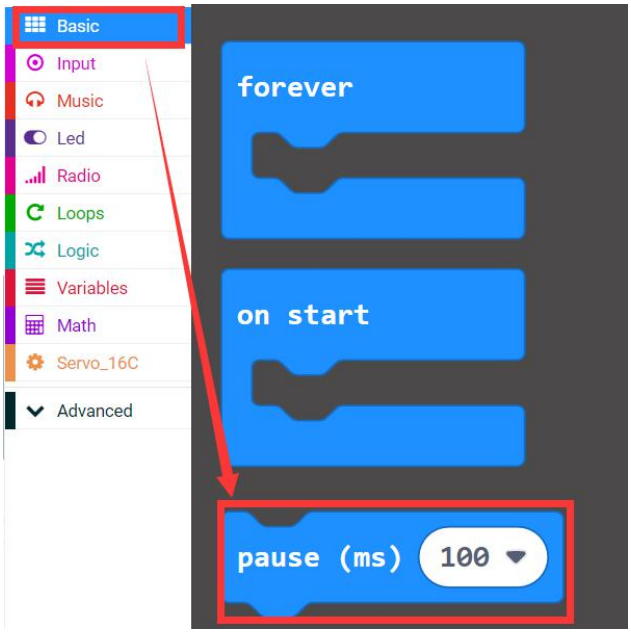
Mode 1 online programming: First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL in the USB flash drive: http://microbit.org/ to enter the programming interface. Add the Yahboom package https://github.com/YahboomTechnology/Servo_16C to programming.

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/YahboomTechnology/Servo_16C , you can start programming.

4.Looking for blocks

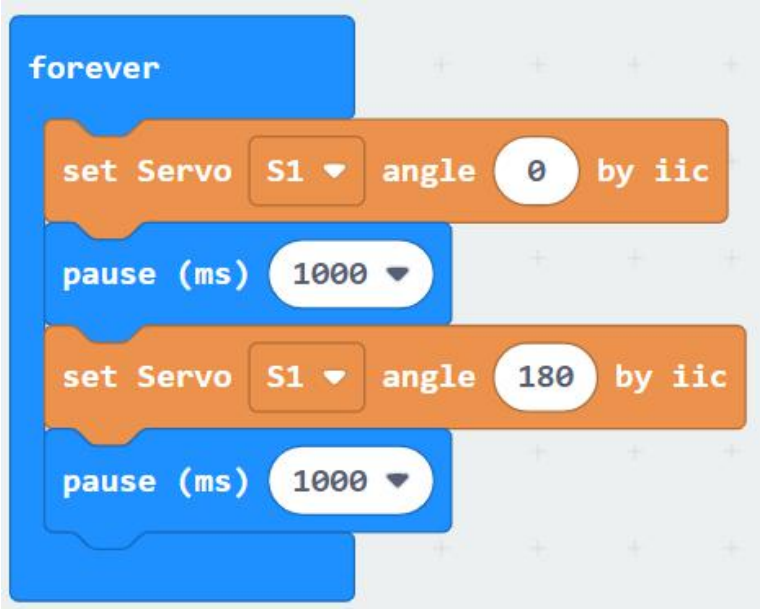
The following is the location of the building blocks required for this programming.





5.Combine block

The summary program is shown below.



6. Phenomenon

After the program is downloaded successfully. The servo will rotate 0°, after 1s it will rotate 180°, after 1s servo will rotate 0°, keep the loop like this status.