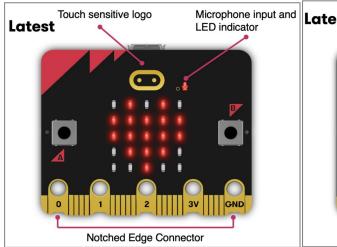
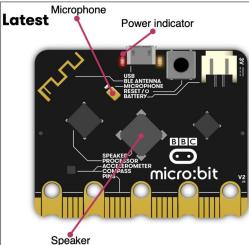


Little mp3

1. Learning goals

In this lesson, we will learn to use the micro:bit on board buzzer and button. When we press button on Micro:bit, buzzer will play different music.





2. Mode 1 online programming:

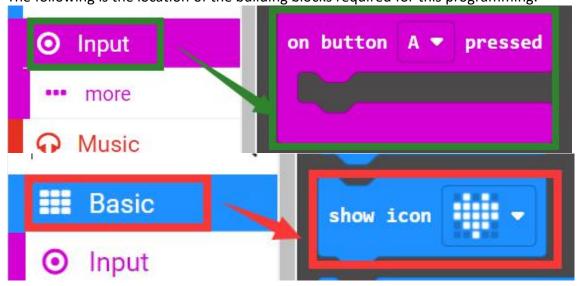
First, we need to connect the micro:bit to the computer by USB cable. The computer will pop up a USB flash drive and click on the URL http://microbit.org/ in the USB flash drive to enter the programming interface to start program.

Mode 2 offline programming:

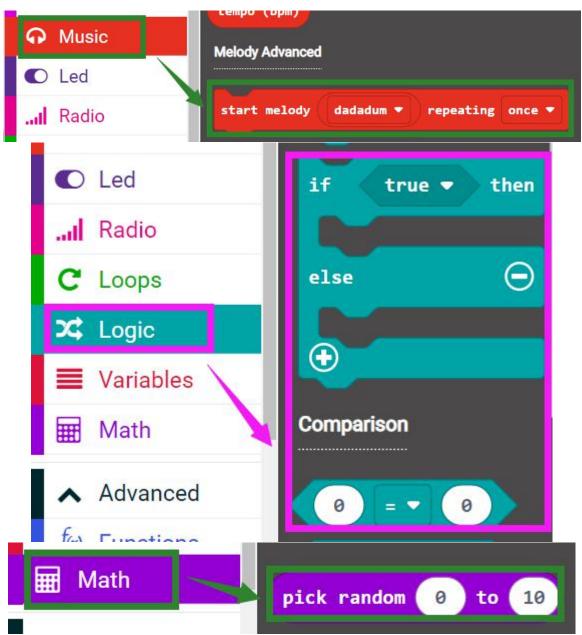
We need to open the offline programming software. After the installation is complete, enter the programming interface, click [New Project], you can start program.

3.Looking for blocks

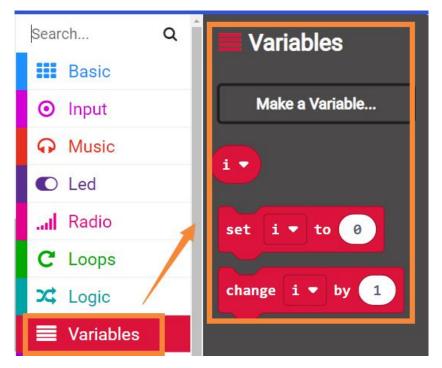
The following is the location of the building blocks required for this programming.











4.Combine block

The summary program is shown below.

```
on button A ▼ pressed
                       then
                                            forever
                                                         pick random 0
 show icon ▼
                                             pause (ms) 200 ▼
                          then 🖃
else if
             entertainer ▼
 show icon
                   2
                          then 🖃
else if
 show icon
                   3
                          then 🛑
else if
 show icon
(
```



5.Experimental phenomena

After connecting the computer to the micro:bit board via the micro USB data cable. Click download or save on the programming interface, and the program can be successfully downloaded to the Micro:bit board.

When we press button-A on Micro:bit board, buzzer will start play music. After playing, when we press the A button again, it will switch to the next song.