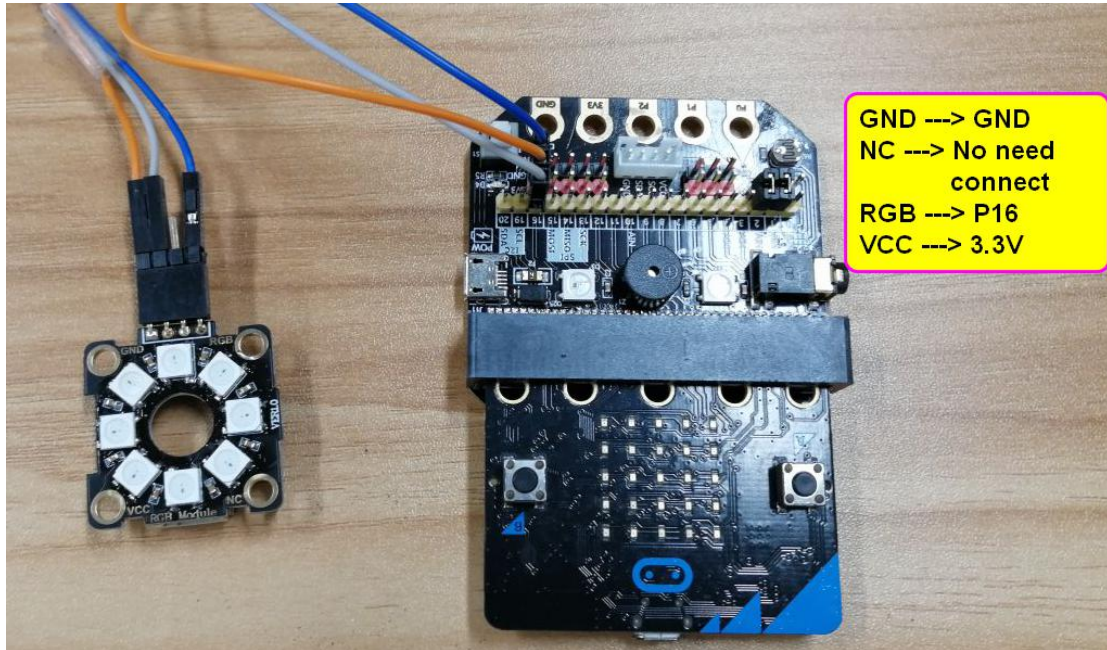# Light up a RGB

1. Learning target

In this course, we will learn how to use Micro:bit and RGB light module to achieve light up a RGB.

2. Preparation

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

GND ---> GND
NC ---> No need
         connect
RGB ---> P16
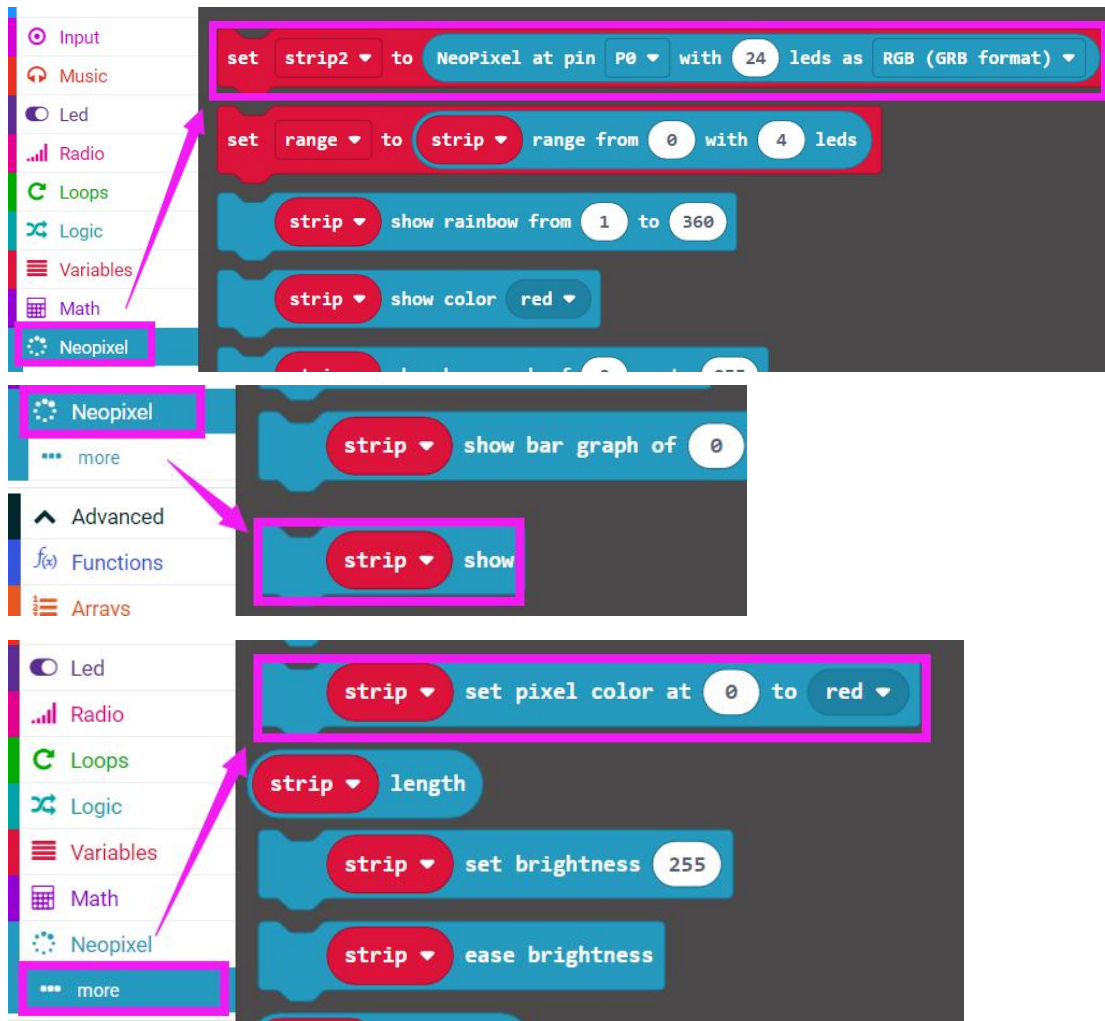VCC ---> 3.3V

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.

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 programming.
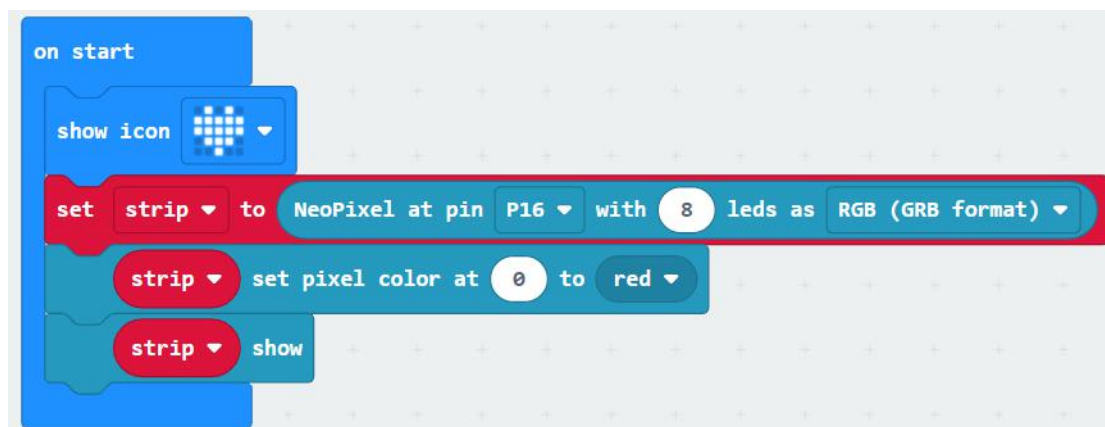
4.Looking for blocks

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

5.Combine block

The summary program is shown below.

6.Experimental phenomena

After the program is downloaded successfully, Micro:bit dot matrix will display heart, and the first light on module will become red.