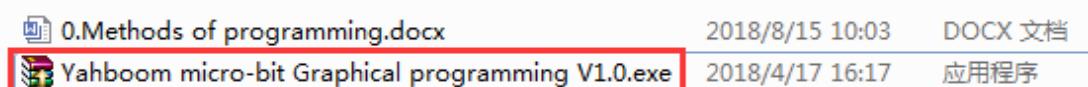


Methods of Graphical offline programming

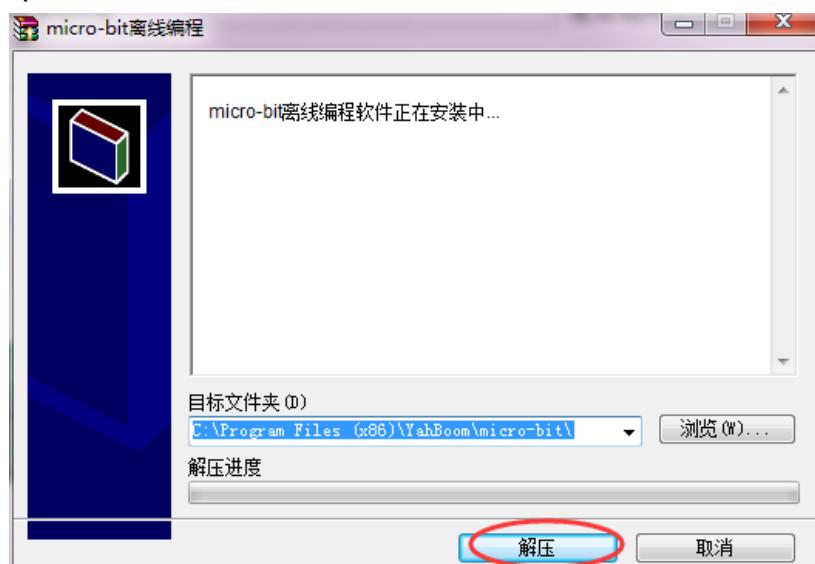
You need to download programming software and install it on your computer. Our tutorial was written on the offline programming software.

Installation instructions of Micro:bit offline programming software is shown in the following picture:

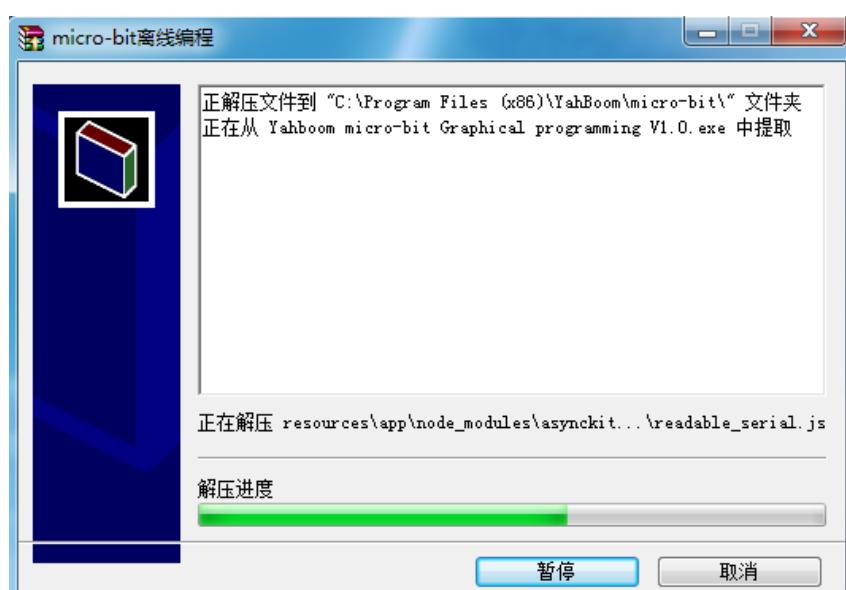
1. You need to open setup package to find **micro-bit V1.0.exe**



2. You need to double click to open the installation package **micro-bit V1.0.exe** and decompress it.



3. The decompression process is shown in the following picture.



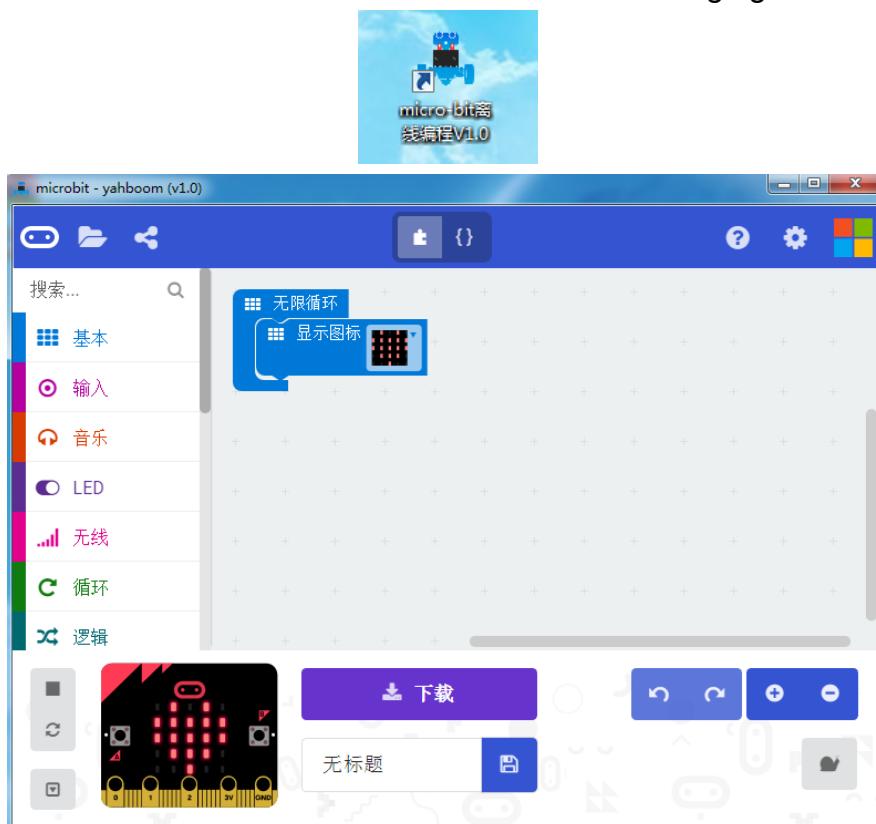
4. You need to wait for the progress bar to complete. When the shortcut to the

software appears on the desktop, it means that you have successfully installed the software. As shown in the following figure.

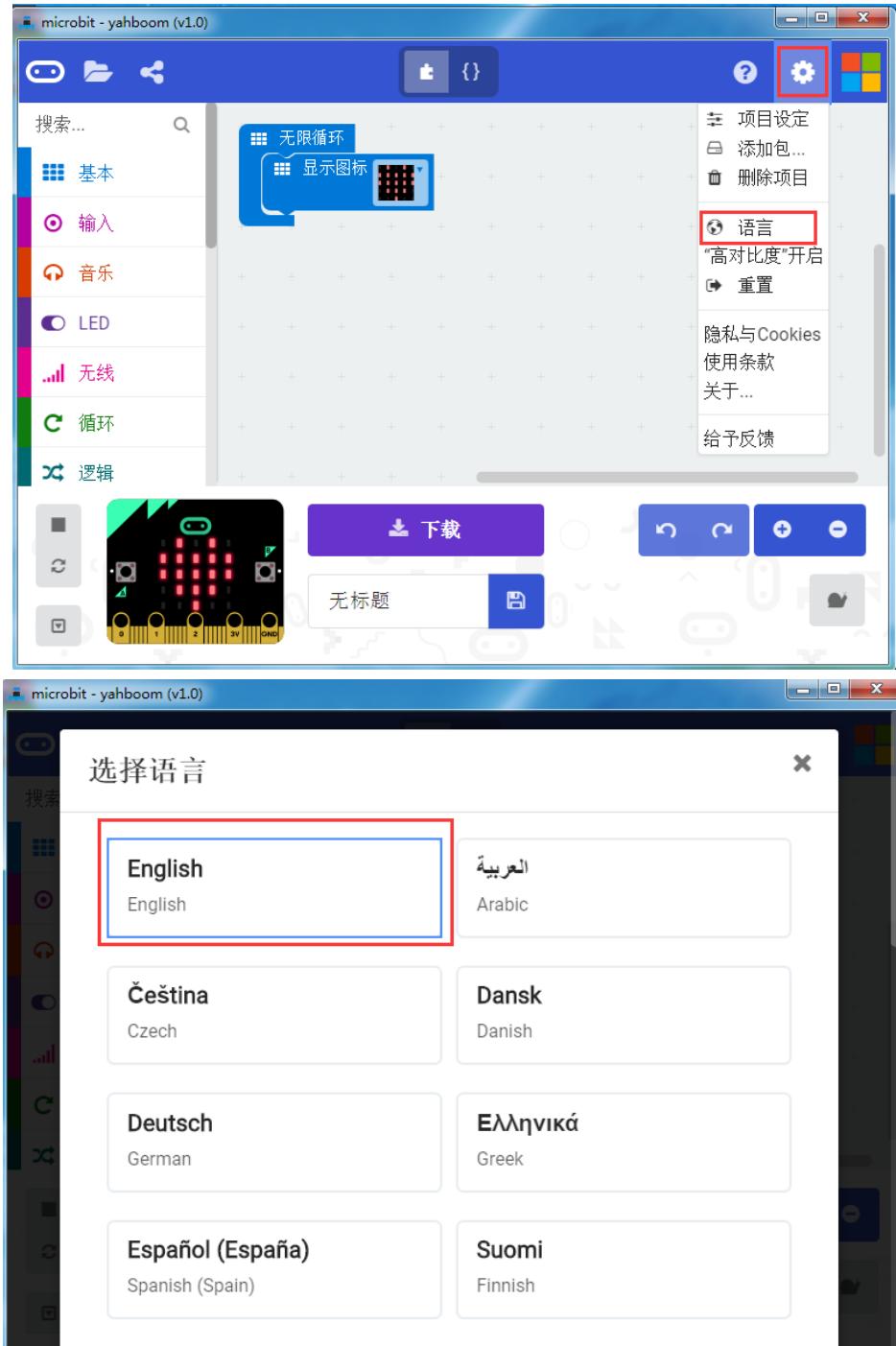


Use instructions of Micro:bit offline programming software is shown in the following picture:

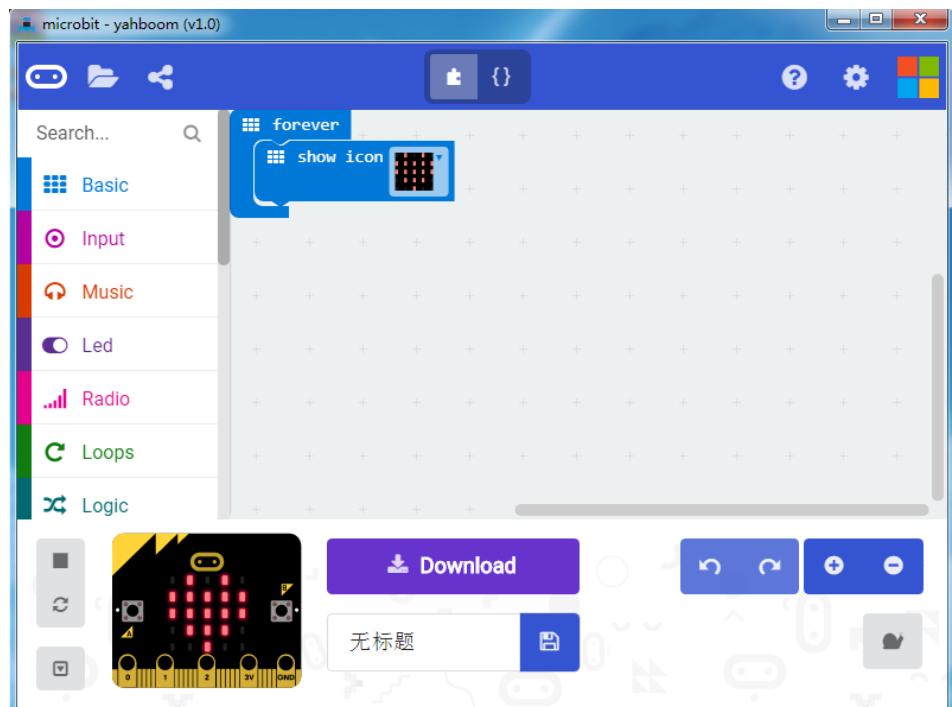
1. You can double-click to use it. As shown in the following figure.



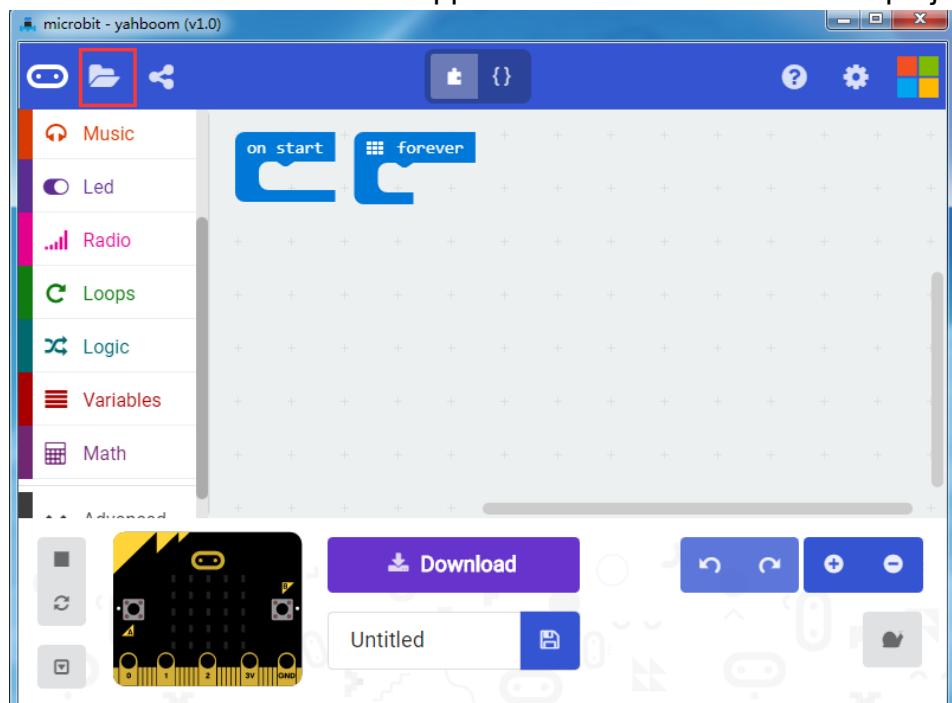
2. You can switch the language by clicking the icon in the upper right corner, as shown below.



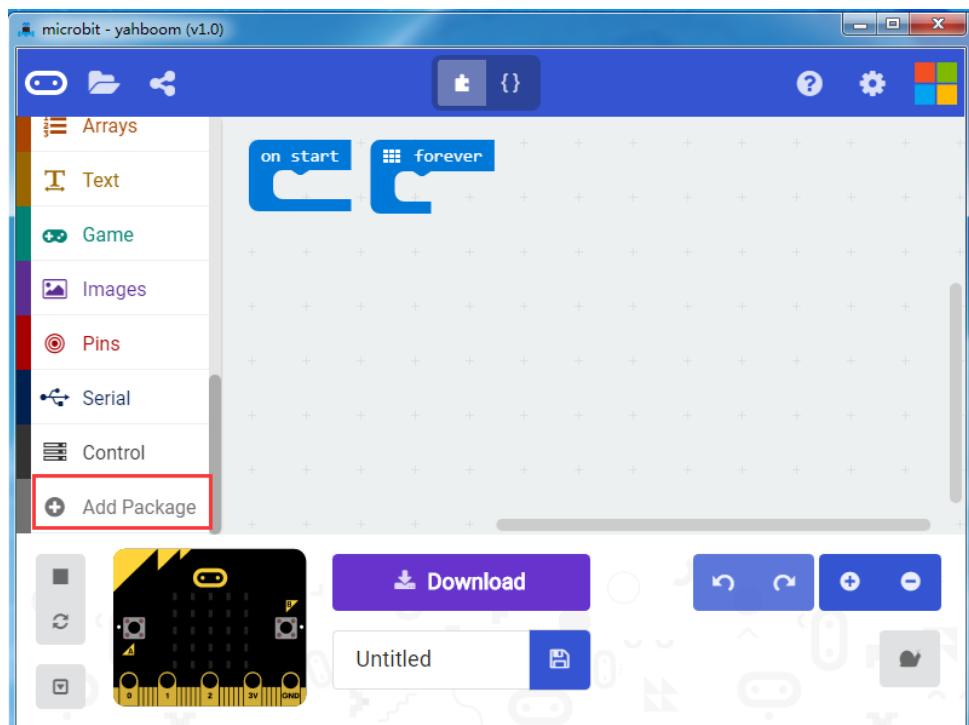
3. After you completed, you can see the English interface. As shown in the following figure.



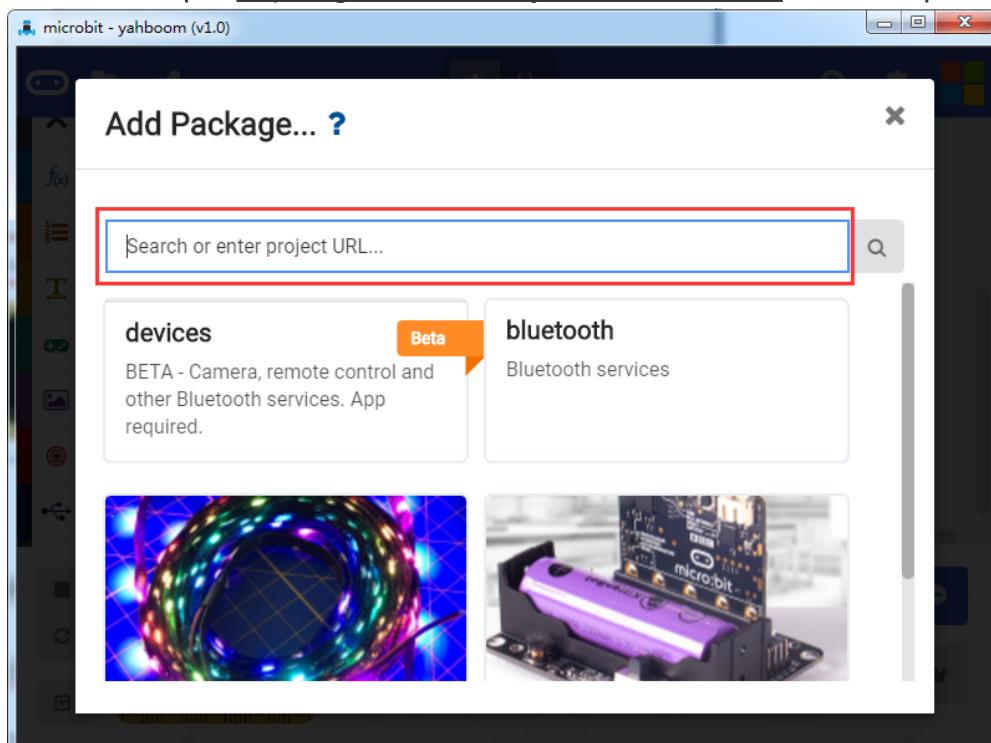
4. You need to click the icon in the upper left corner to create a new project.

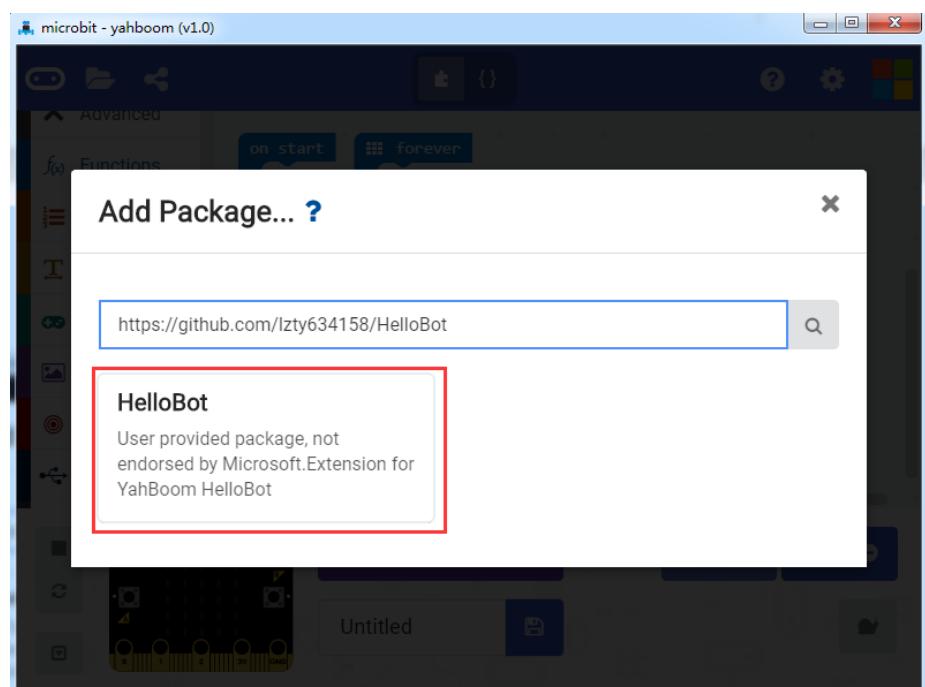
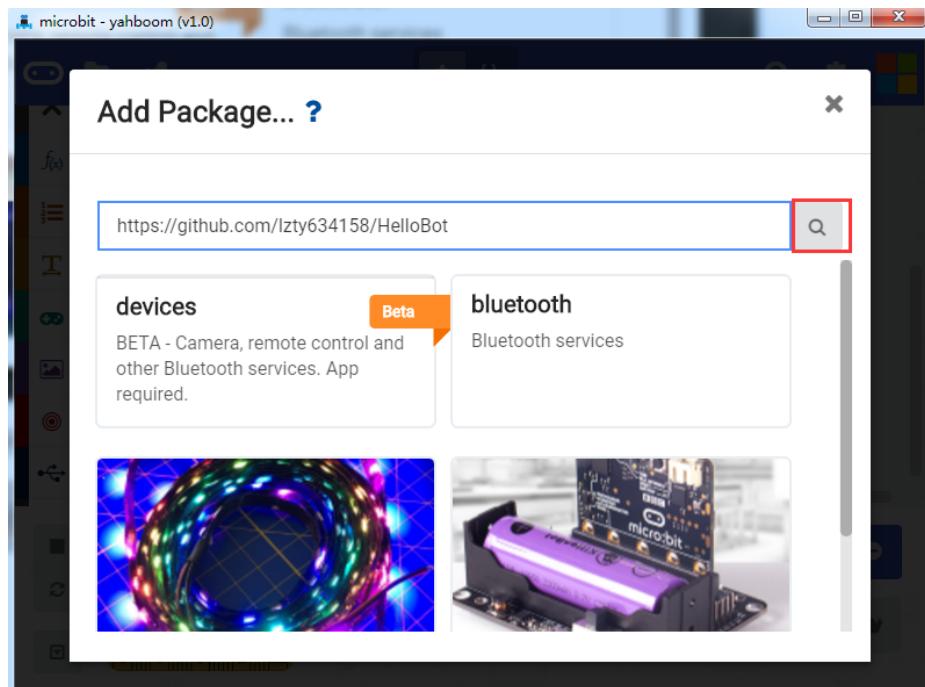


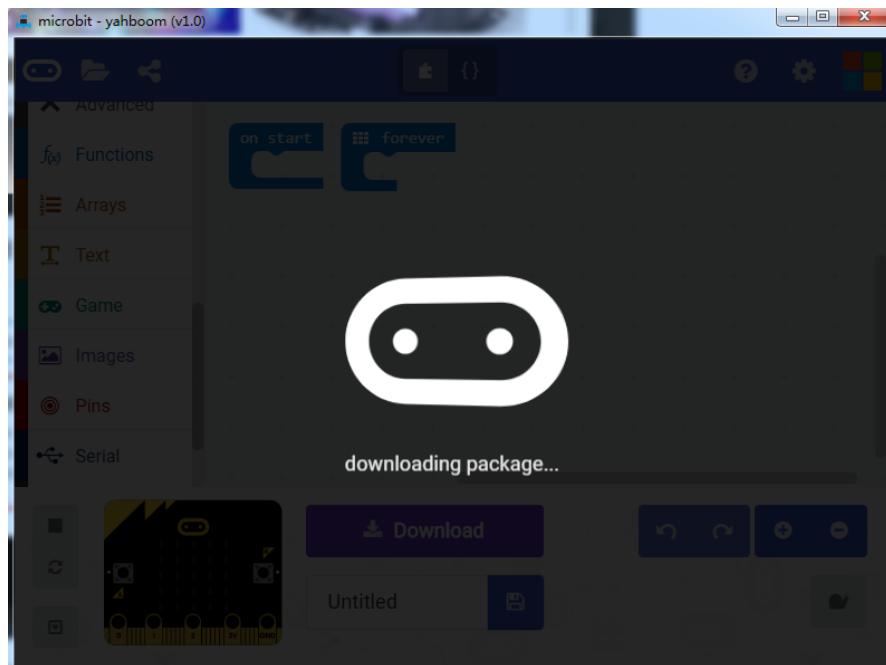
5. You need to click the icon as shown below to add a package.



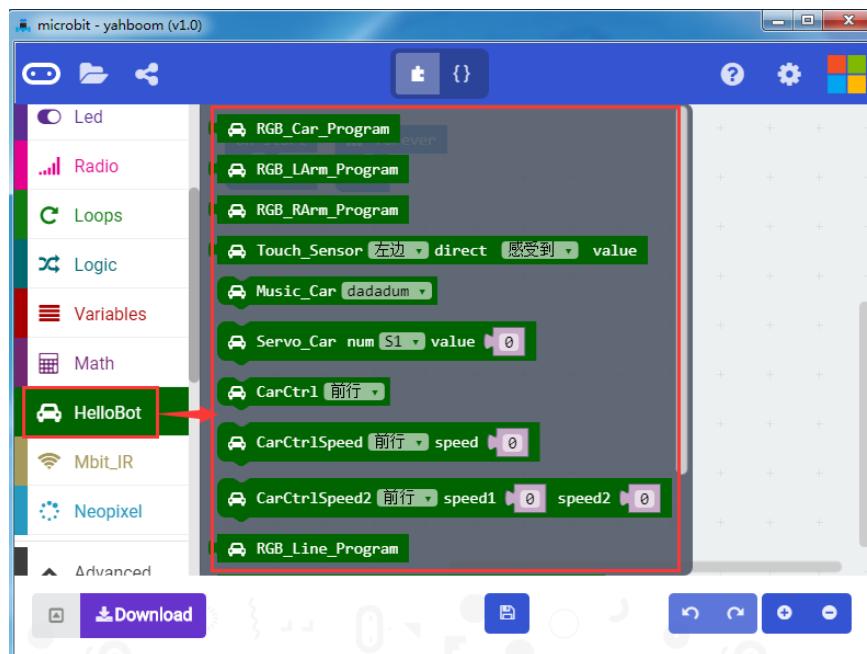
6. You need to input <https://github.com/lzty634158/HelloBot> to obtain package.





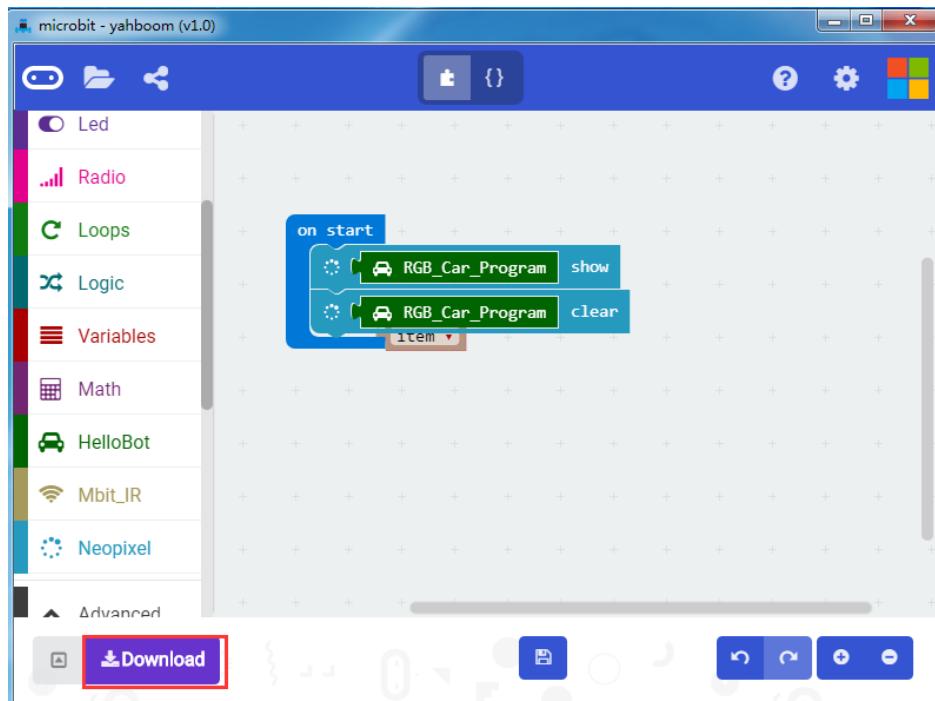


7. After the addition is complete, you can see Yahboom HelloBot package on the left bar.



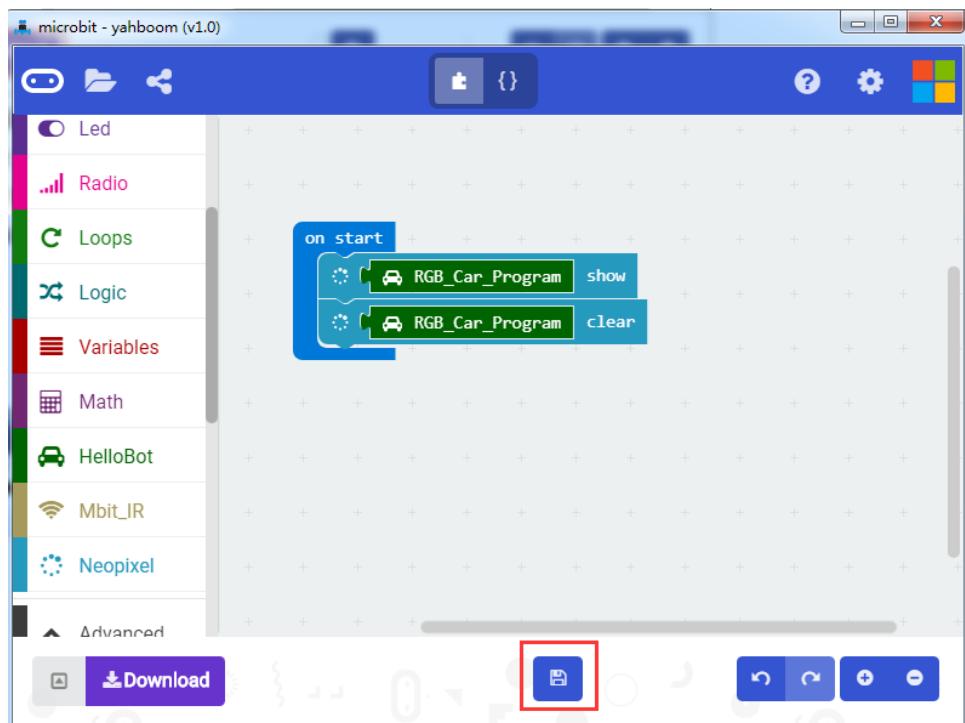
Methods of Download_1:

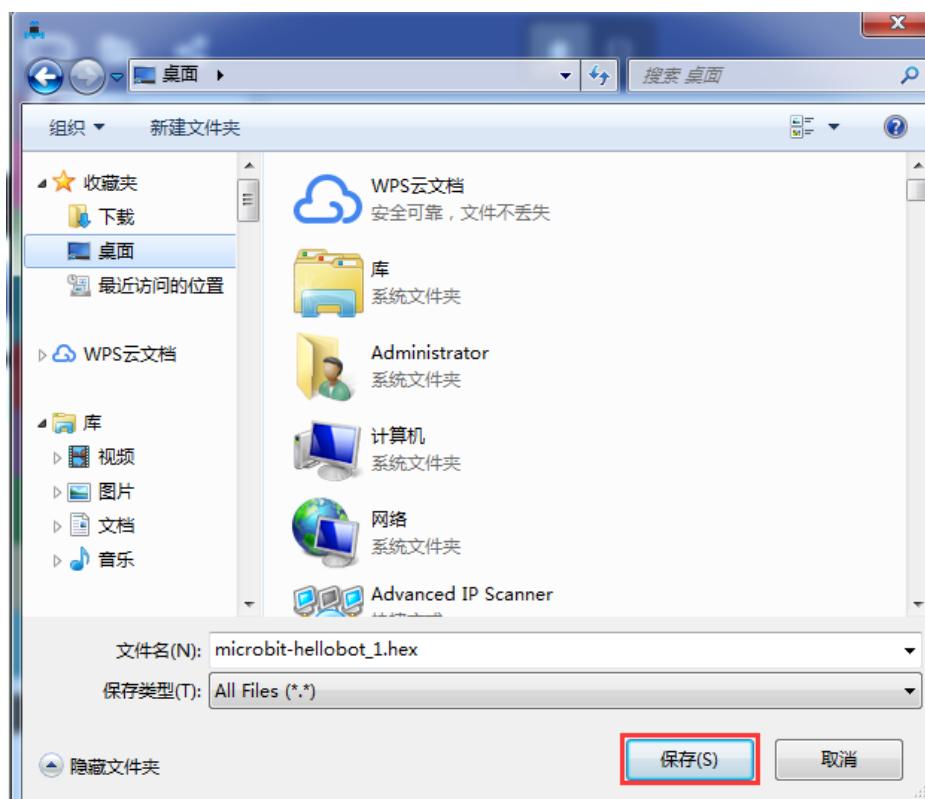
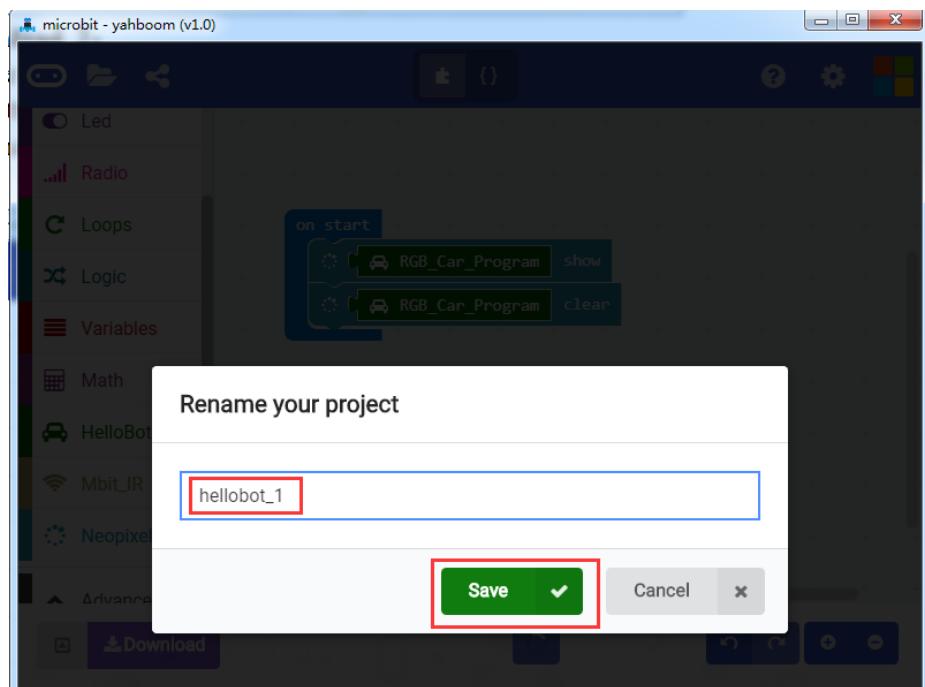
After the building blocks, click Download, you use the USB cable to connect the micro:bit to the computer. After downloading, you can see the experimental phenomena in the code.



Methods of Download_2:

After the building block, you should click the save button in the middle to save the code you have written. The computer will pop up an interface, which prompting you to name the code, we will name it here, and select the appropriate path to save it, as shown below.





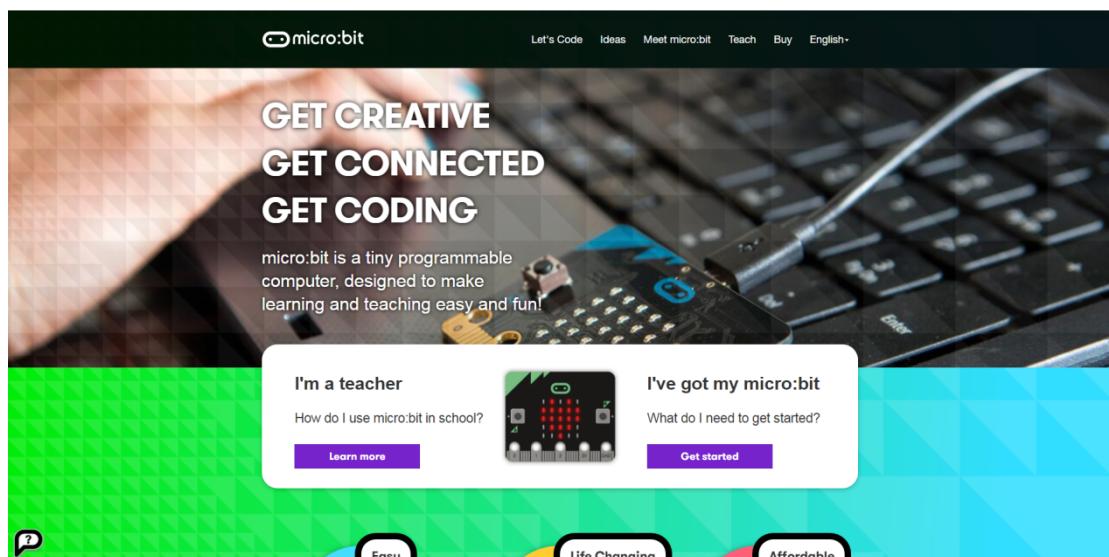
Finally, you need to copy this ".hex" to the U disk in Micro:bit or send it to the U disk in Micro:bit.

Programming online

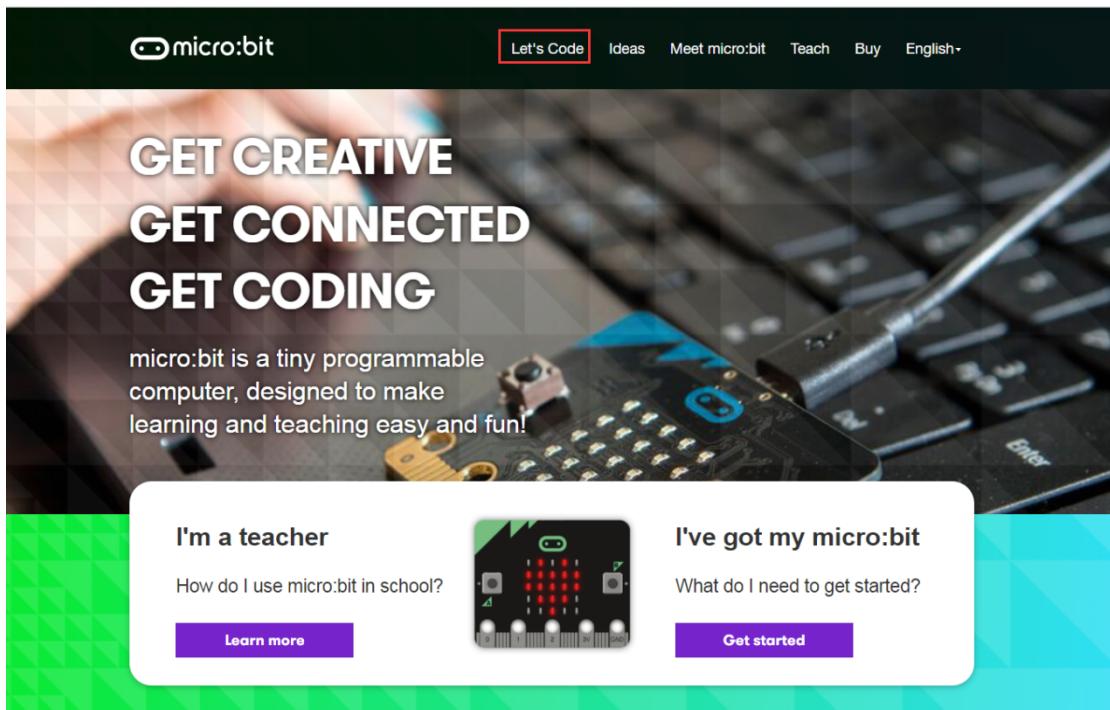
1. You should use the USB cable to connect the micro:bit to the computer, at this point, the computer will have a micro:bit U disk. You need to open it, click micro:bit website, then entered the micro:bit website or you can enter the URL directly in your browser: <http://microbit.org/>.

MICROBIT (I:)			
名称	修改日期	类型	大小
DETAILS	2016/3/22 16:30	文本文档	1 KB
MICROBIT	2016/3/22 16:30	360 se HTML Do...	1 KB

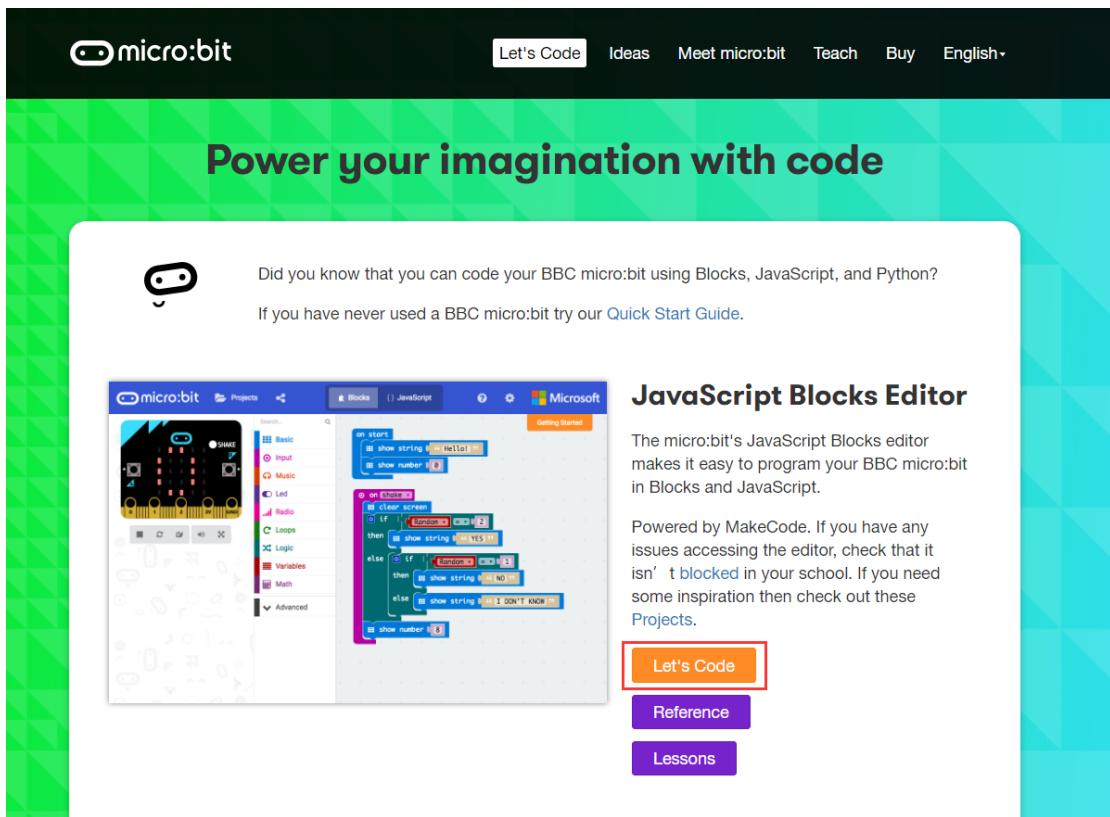
2. After entering the official website, you can see the interface shown below.



3. You need to click "lets code".

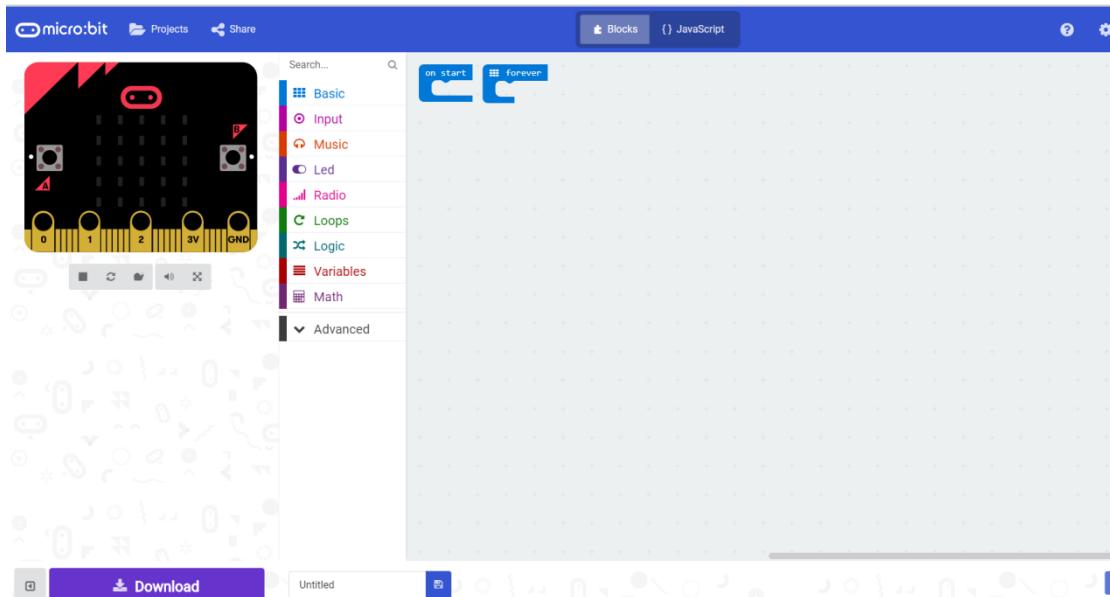


The image shows the official micro:bit website homepage. At the top, there's a navigation bar with links for "Let's Code", "Ideas", "Meet micro:bit", "Teach", "Buy", and "English". Below the navigation is a large banner with the text "GET CREATIVE", "GET CONNECTED", and "GET CODING" in bold white letters. A subtext below the banner reads: "micro:bit is a tiny programmable computer, designed to make learning and teaching easy and fun!" To the right of the text is a photograph of a micro:bit board connected to a laptop via a USB cable. Below the banner, there are two main sections: "I'm a teacher" (with a "Learn more" button) and "I've got my micro:bit" (with a "Get started" button). Both sections feature a small image of the micro:bit board.

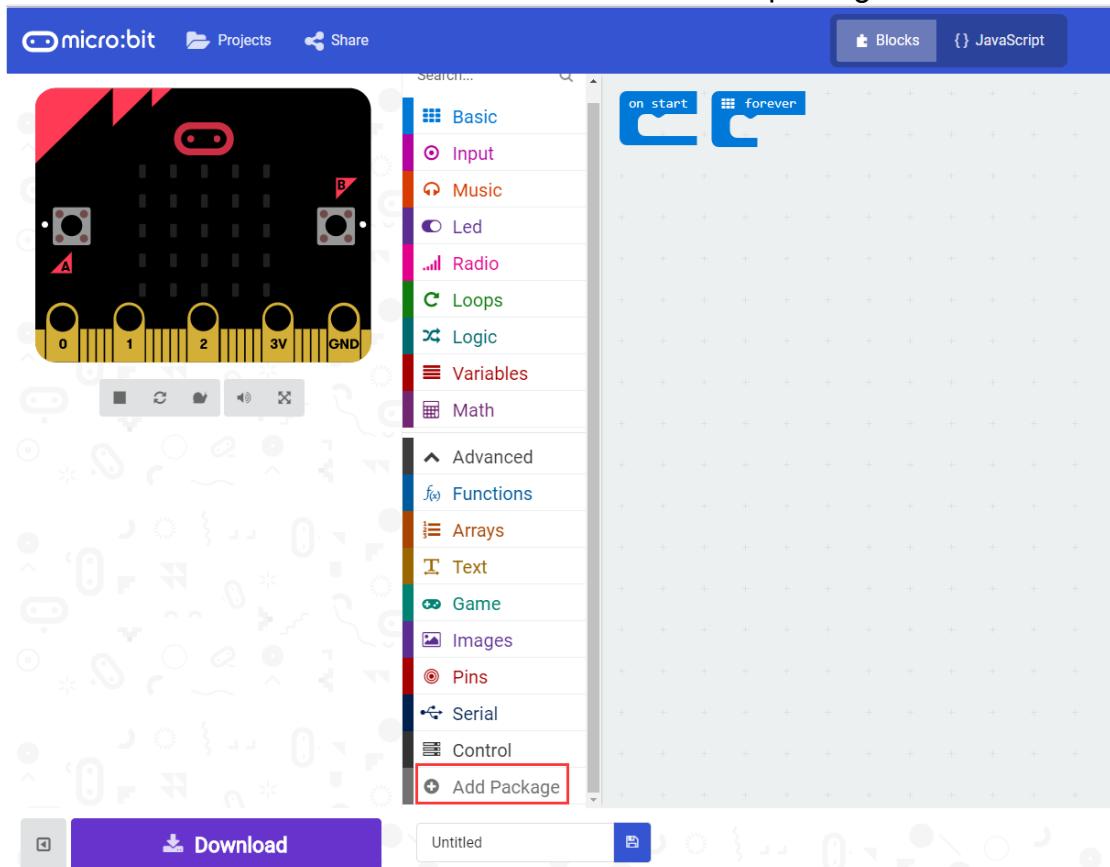


The image shows a screenshot of the BBC micro:bit JavaScript Blocks Editor. The interface has a green header with the text "Power your imagination with code". Below the header is a "Did you know..." section with a small icon of a micro:bit board. It asks if you know that you can code your BBC micro:bit using Blocks, JavaScript, and Python, and provides a link to the "Quick Start Guide". The main area of the screenshot shows the programming editor with a script block. The script starts with "on start" and contains several blocks: "show string Hello!", "show number 0", "on shake", "clear screen", "if random(0, 2) then show string YES", "else if random(0, 1) then show string NO", and "else show string I DON'T KNOW". On the left, there's a sidebar with categories like Basic, Input, Music, Led, Radio, Loops, Logic, Variables, and Math. On the right, there are buttons for "Let's Code", "Reference", and "Lessons".

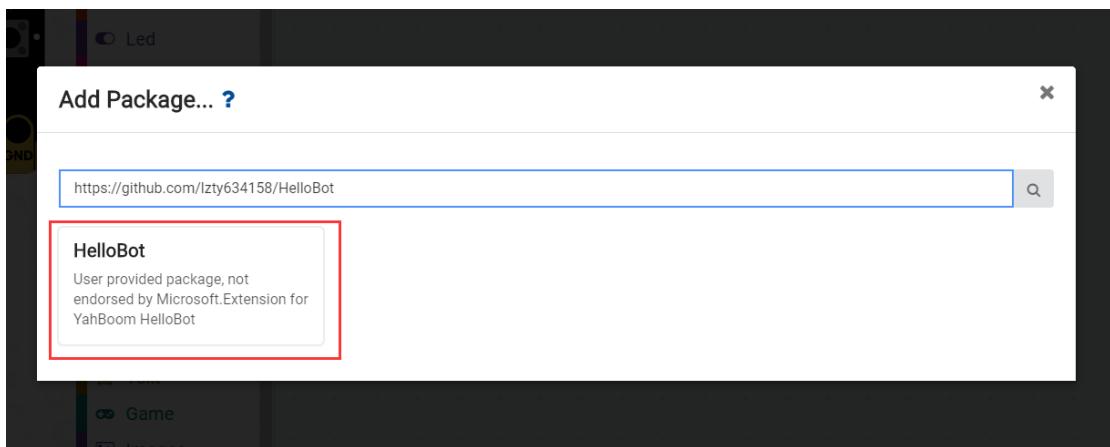
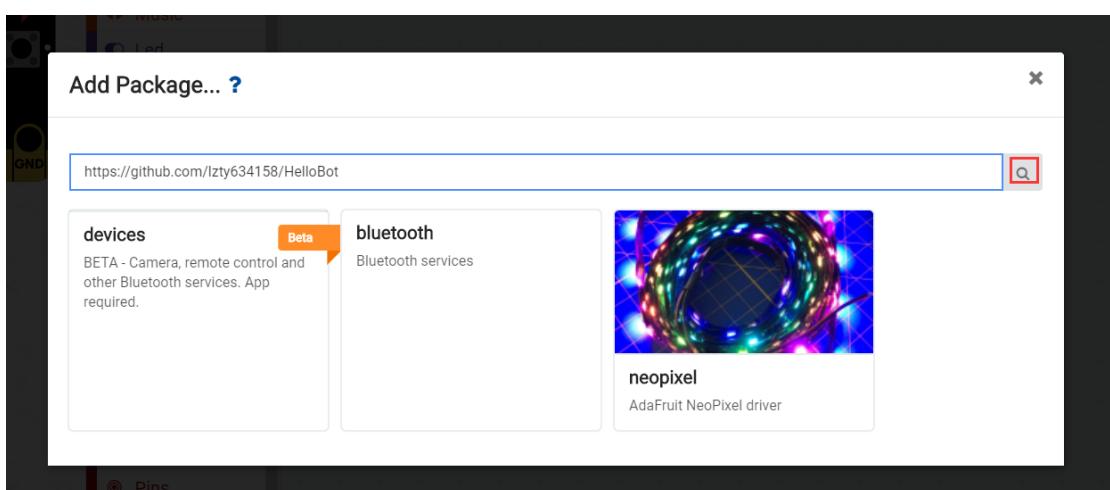
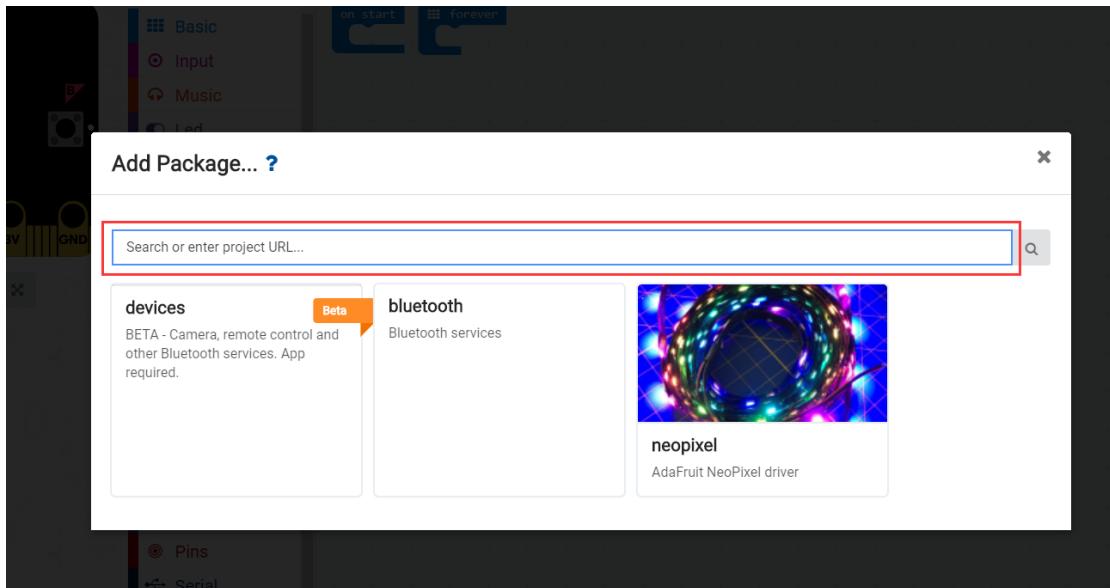
4. Then you can enter the programming interface as shown below.



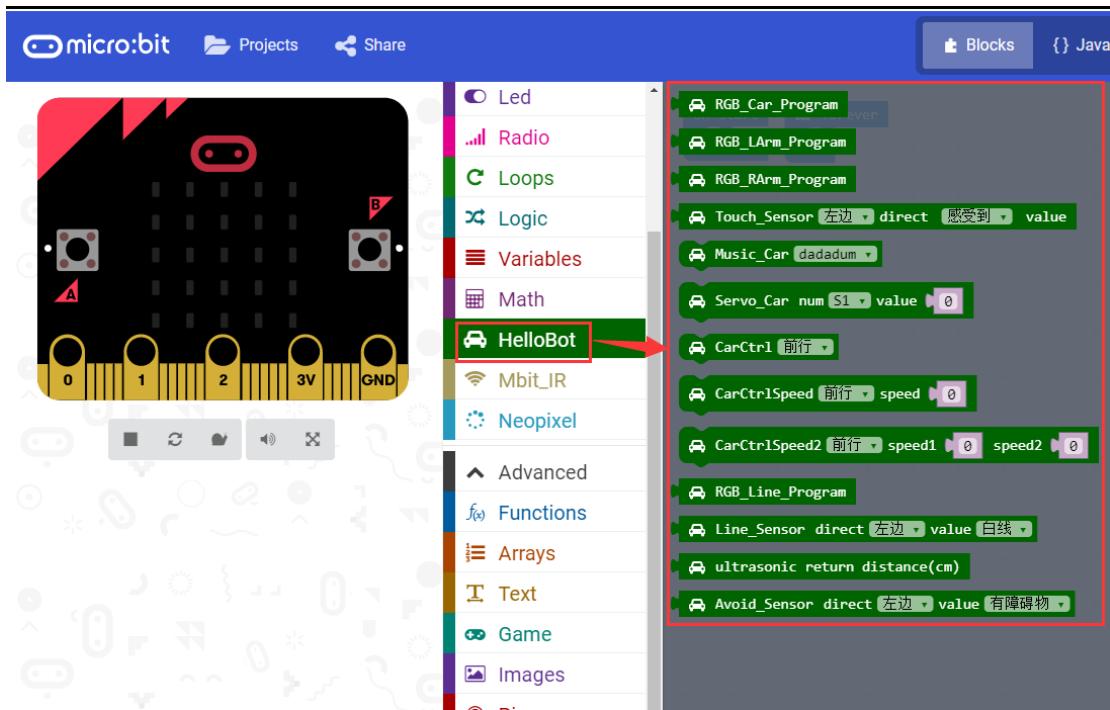
5. You need to click the icon as shown below to add a package.



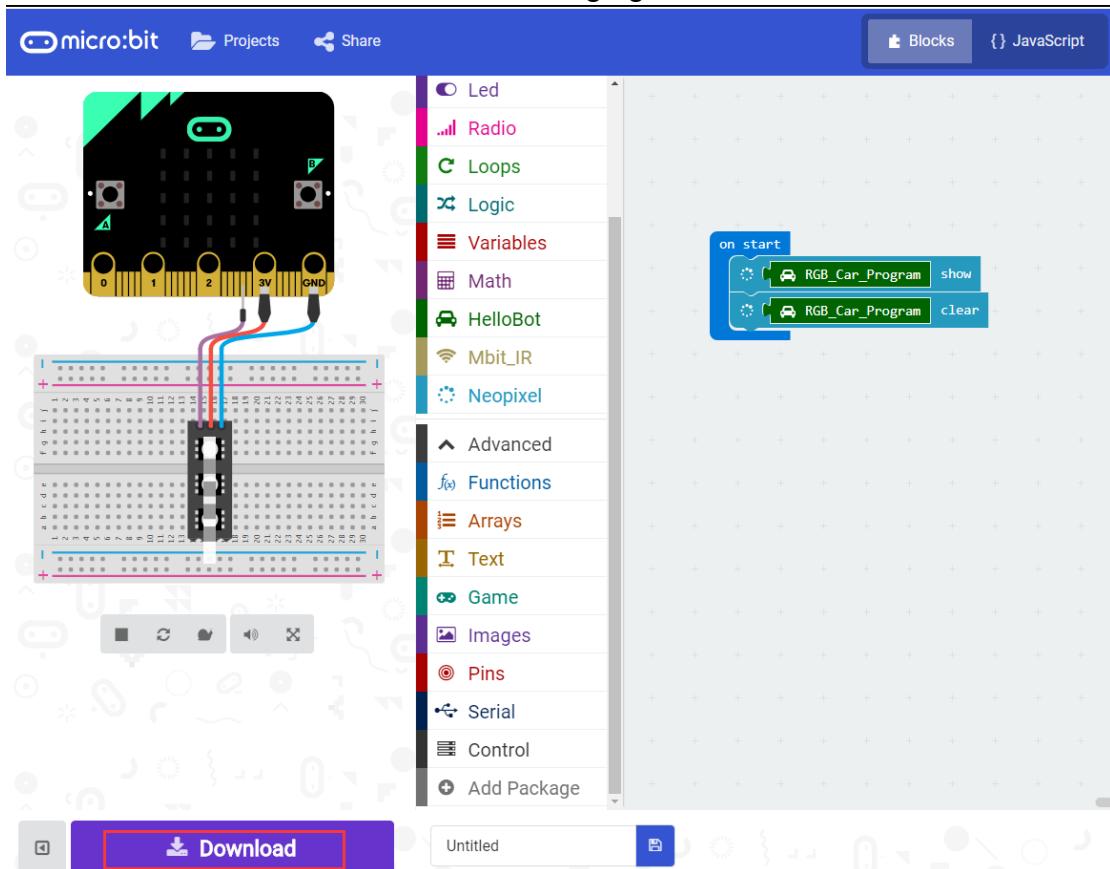
6. You need to input <https://github.com/lzty634158>HelloBot> to obtain package.

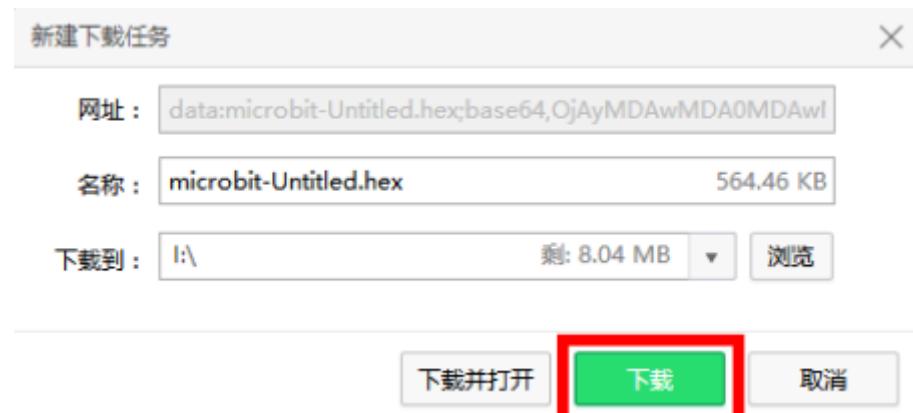
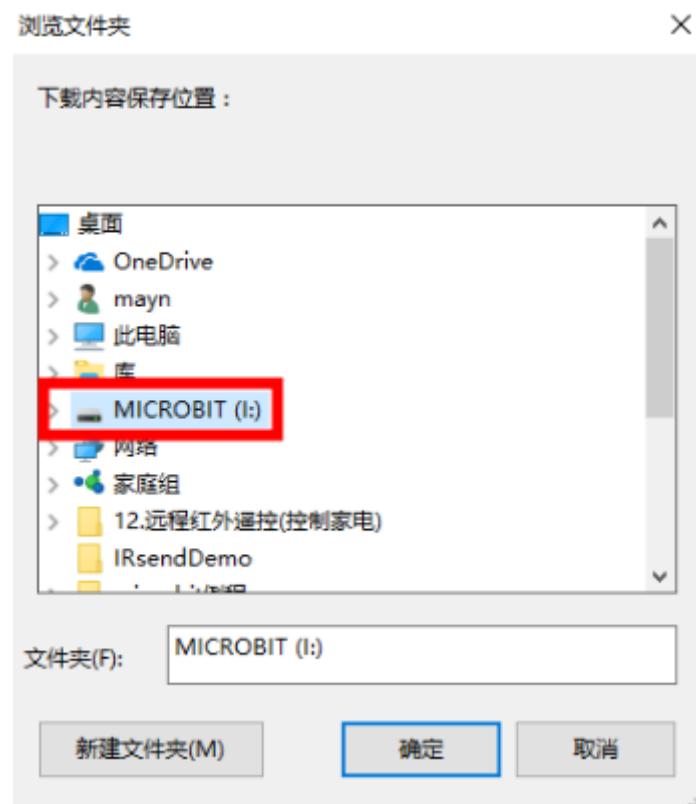
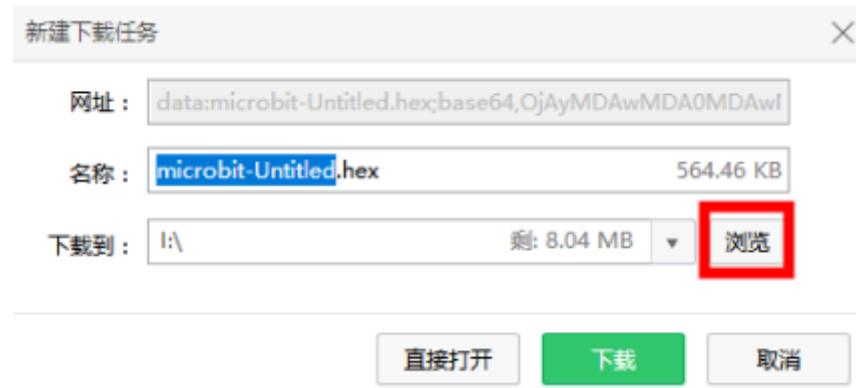


7. After the addition is complete, you can see Yahboom HelloBot package on the left bar.



8. After the building blocks, click Download. You can set the download path in the U disk of micro:bit, download it to the computer, and then copy it to the U disk in micro:bit. As shown in the following figure.





After downloading, you can see the experimental phenomena in the code.