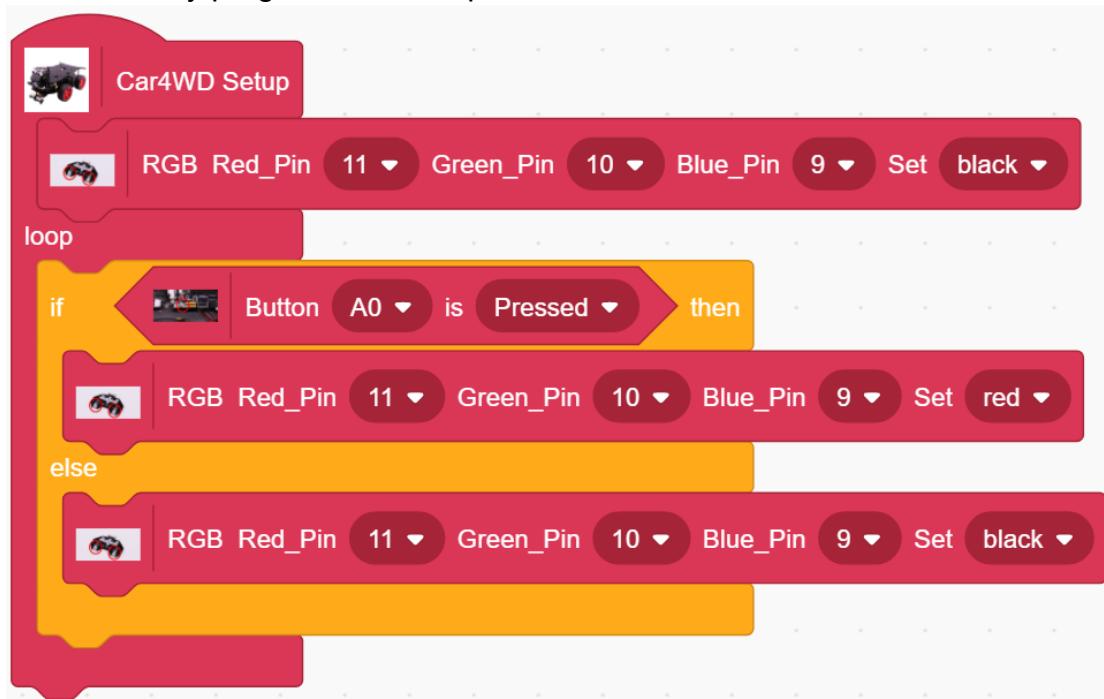
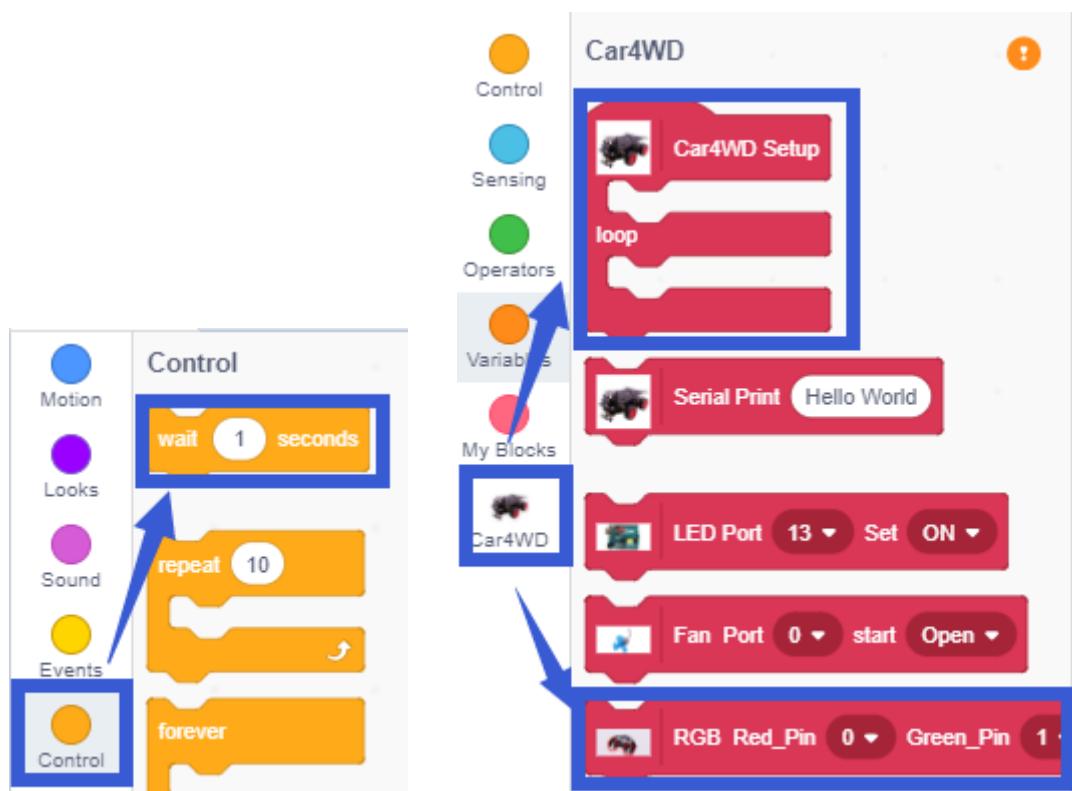


6.Button control LED

The summary program of this experiment is shown below:

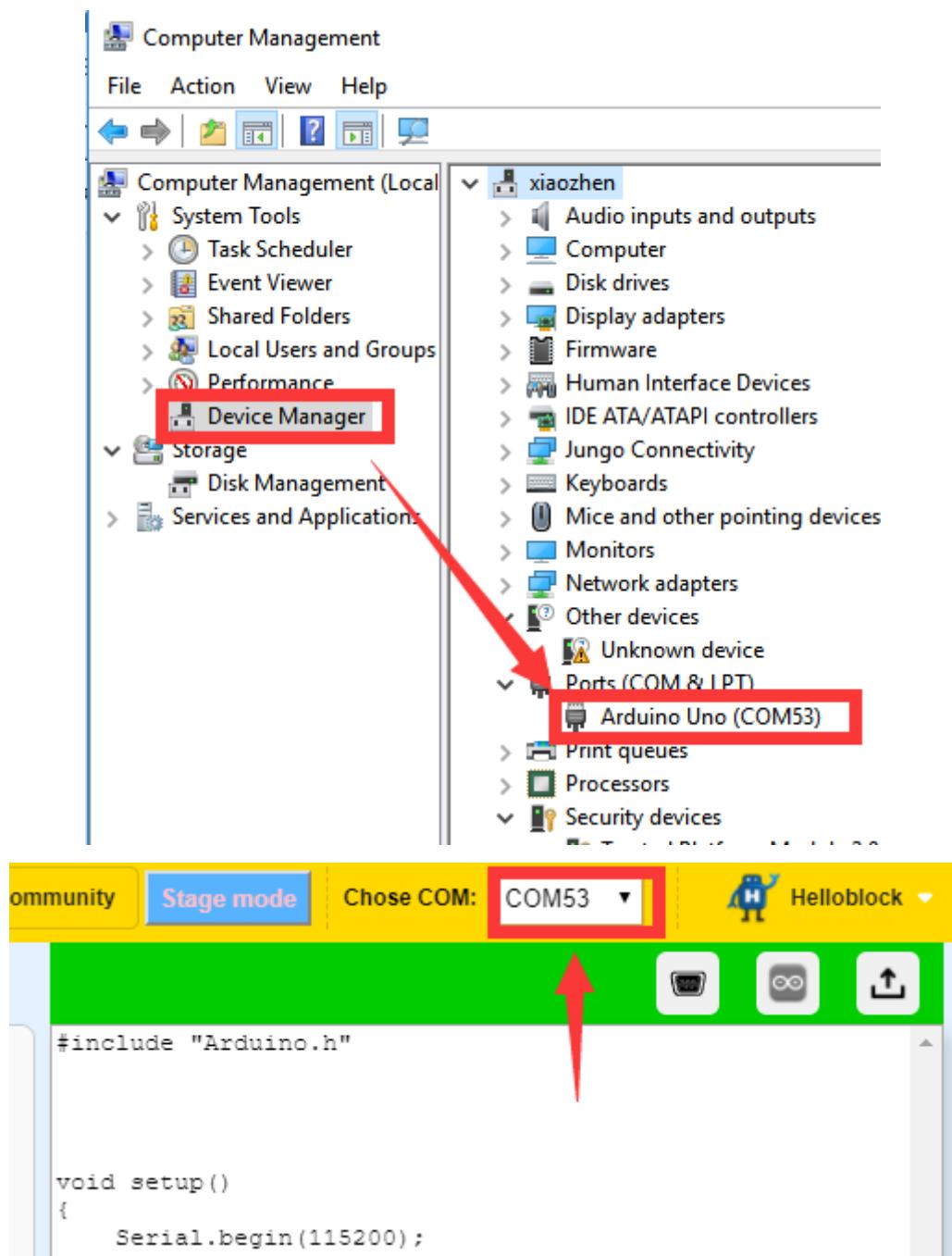


1. Search for blocks

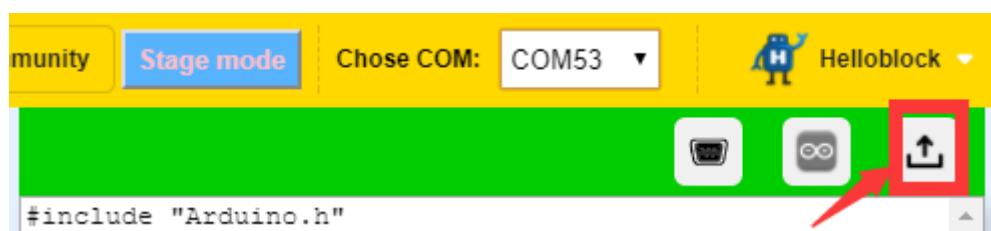


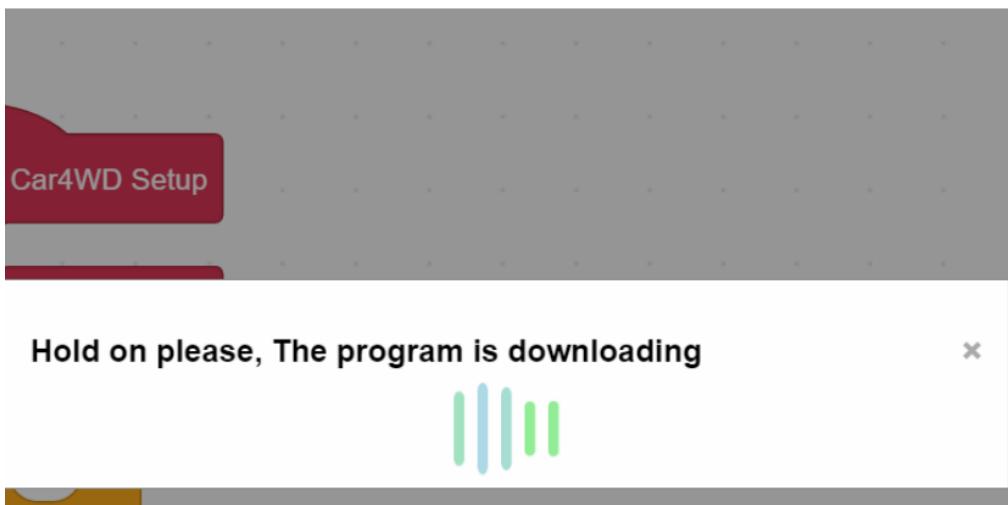
2. Download program

2.1 In the upper right corner of Helloblock, we need to select the port that the serial number displayed by the device manager (for example: COM54) As shown in the figure below.



2.2 Click the up arrow to start compiling and uploading the program. It will take a certain amount of time, we need to wait patiently.





It takes a certain amount of time to compile the program, and everyone needs to wait patiently.

2.3 When the words "Done compiling" Done uploading" appear in the lower right corner of the programming interface, as shown in the following figure, the program has been uploaded.

```
>C:\Program Files  
(x86)\Helloblock\resources\Arduino\libraries\YahBoo  
m\YahBoom_OMIBOX.cpp:381:6: note: initializing  
argument 1 of 'void  
YahBoom_OMIBOX_Matrix::YahBoom_OMIBOX_Matrix_ShowIc  
on(byte*)'  
  
void  
YahBoom_OMIBOX_Matrix::YahBoom_OMIBOX_Matrix_ShowIc  
on(byte *character)  
  
>Sketch uses 3292 bytes (10%) of program storage  
space. Maximum is 32256 bytes.  
>Global variables use 842 bytes (41%) of dynamic  
memory, leaving 1206 bytes for local variables.  
Maximum is 2048 bytes  
Done compiling. Done uploading!  
Uploading to device...  
-----  
Baud: 115200  
Parity: None
```

3.Experimental phenomena

After the program download is completed, the colorful LED is off by default. When we press the button, the colorful LED become red, and the buzzer will sound.

(!!!Note:We can see from the schematic diagram, the buzzer and the button K2 share a pin interface, so when the K2 is pressed, the buzzer will also sound)