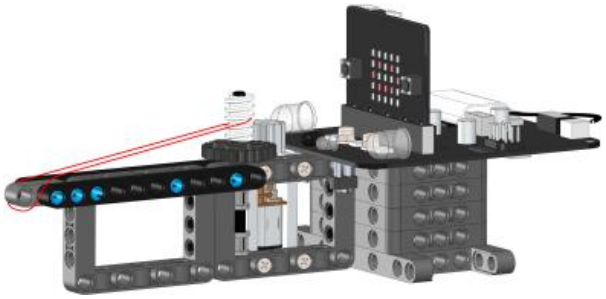
Lesson1 of Building:bit Sniper---"button control"



1.Experimental phenomena

After downloading the program, open the sniper's power switch, install the rubber band on the helical gear. When you press the A key on the micro:bit main board, the motor starts until the rubber band is ejected. When you press the B key on the micro:bit main board, the motor rotates in the opposite direction. When you press A and B button, the motors will stop.

2.Preparation before class

We needs to be ready:
Building Block Mechanical Clip *1
Infrared remote controller *1
USB data cable *1

2-1.Two programming methods:

Online programming:

First,we need to connect the micro:bit to the computer by USB data cable, the computer will pop up a USB flash drive.Then, click on the URL in the USB flash drive: http://microbit.org/ to enter the edit process interface, click to 【Extensions】, and copy the package URL: https://github.com/lzty634158/yahboom_mbit_en to the input field, and you can use the building blocks of the Yahboom software package.

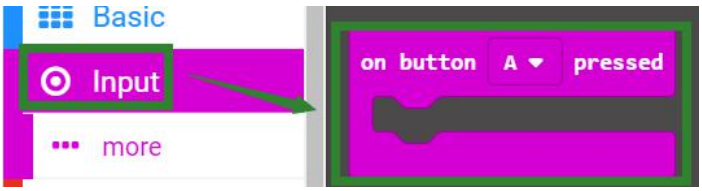
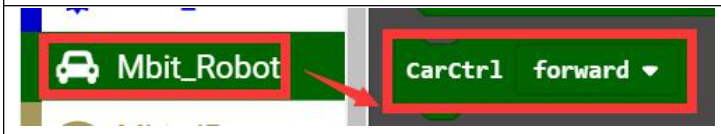
Offilne programming:

Open the offline programming software 

, click to 【Extension】 and copy the package URL: https://github.com/lzty634158/yahboom_mbit_en to the input field, and you can use the building blocks of the Yahboom software package.

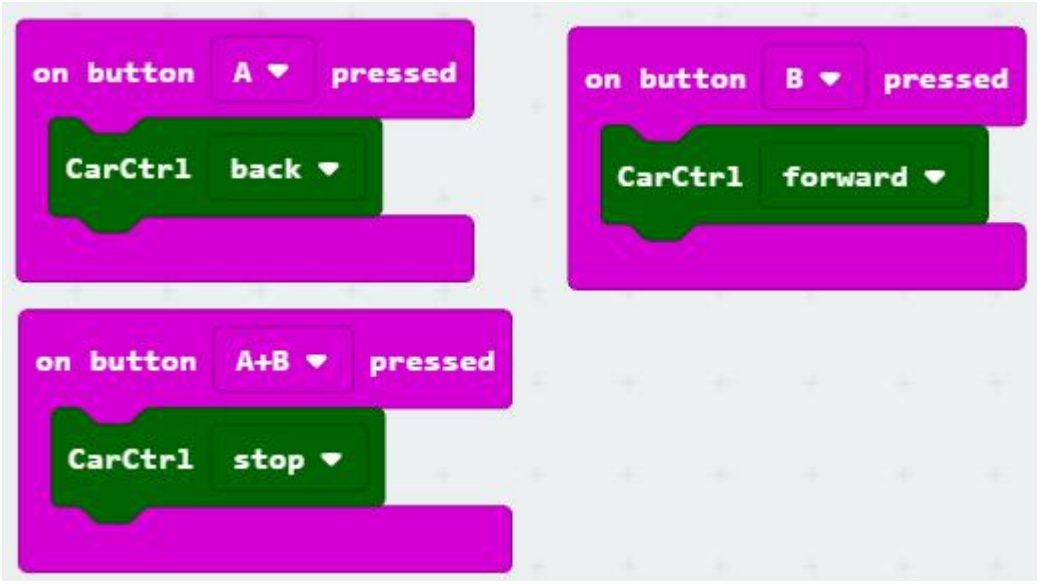
For detailed programming, please read the documentation before class 【1. Preparation before class】----【Introduction of programming method】. We use micro:bit official website for online programming in here.

3. Studying blocks

Blocks	Instruction
	When you press A button of micro:bit board. The code inside will be executed.
	The car control forward represents the motor rotates in the positive direction and the car control back represents and the motor rotates in the opposite direction.

4.programming

Next, we started to write the program for the button control of the building block Sinper, as shown below:



The above is the program for this Sinper. After writing, we need to download it to the micro:bit board.