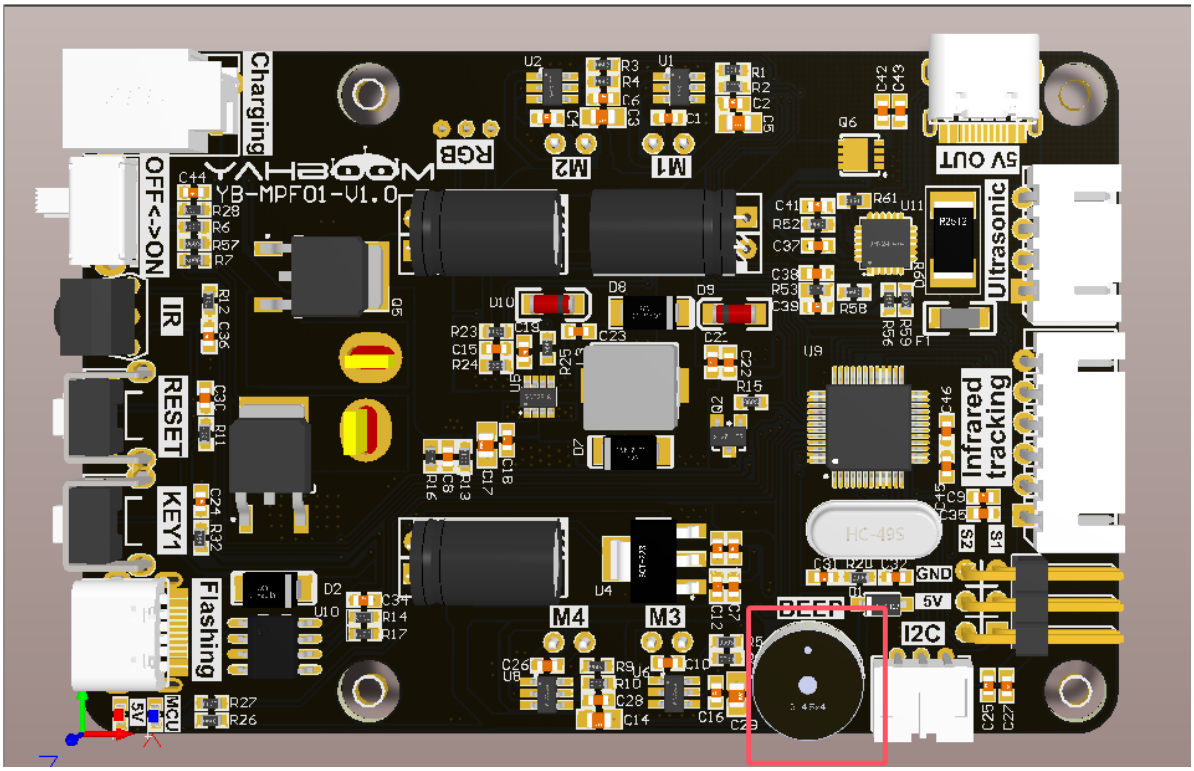
01. Drive the buzzer

1. Learning objectives

Control the buzzer switch on the expansion board.

2. Experimental preparation

As shown in the figure below, the buzzer is an onboard component, so no external devices are required.



3. Core code analysis

The buzzer on the expansion board is an active buzzer, please refer to the following function.

Raspbot_Lib library function required to control the buzzer:

```
Ctrl_BEEP_Switch(state)
```

Parameter explanation: Control the buzzer switch

state=0: off, state=1: always ringing.

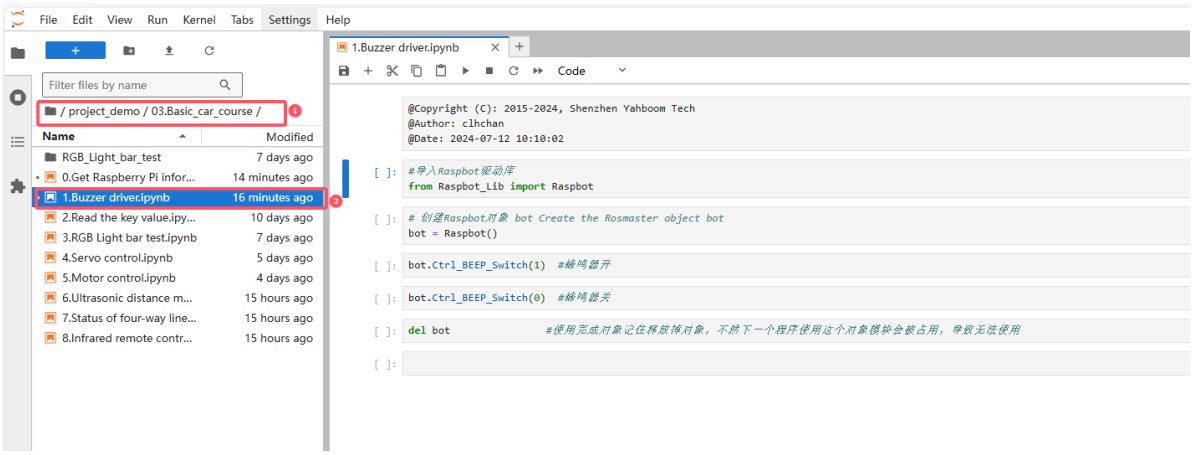
Return value: None.

Source code path: project_demo/03.Basic_car_course

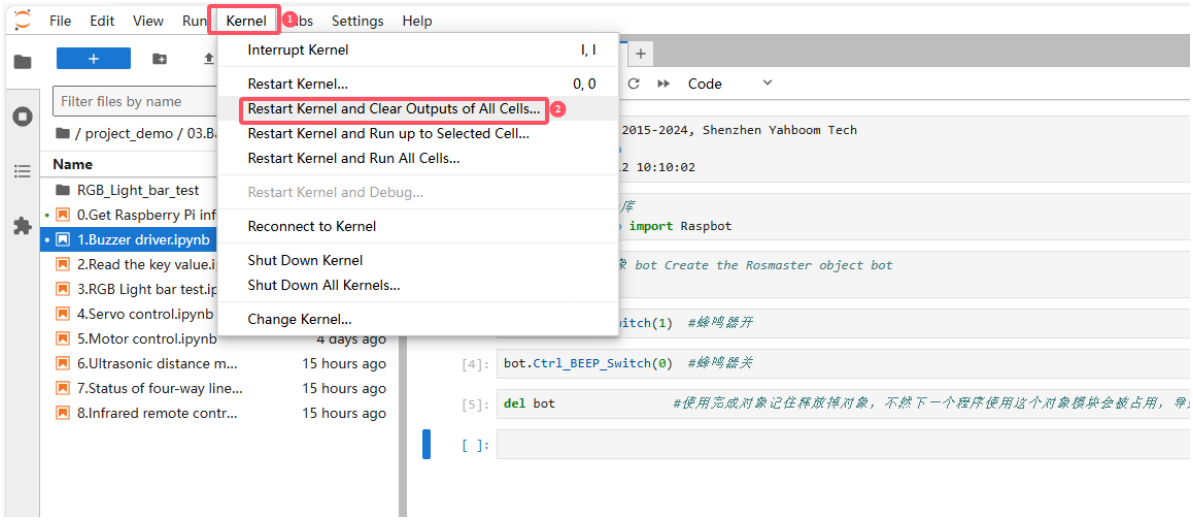
4. Experimental phenomenon

Turn on the robot, open the computer browser to enter the Jupyter lab editor

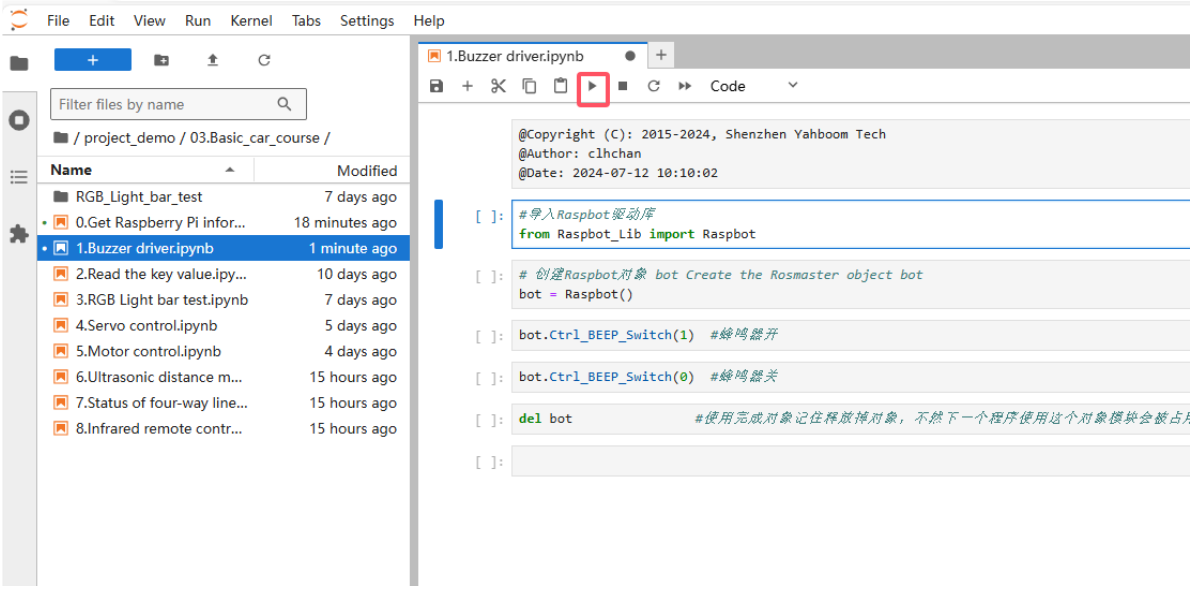
Enter the source code path, double-click the code to be run



Restart the kernel and clear all outputs



Click the first code block, then click the run button to start running one by one



After the program runs, as the code block runs, we can turn on or off the buzzer