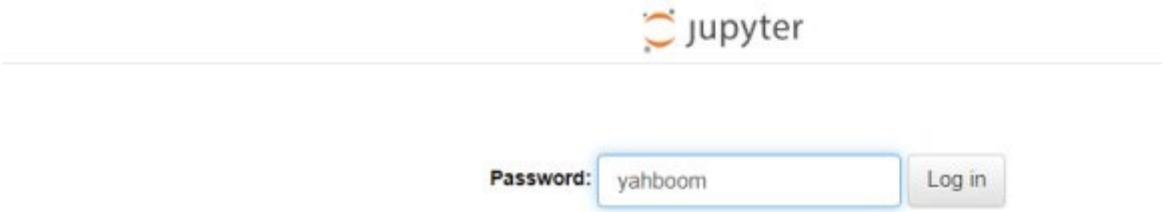
Adjust the height of the car

1. Experimental purpose

Adjust the height of the car

2. Experimental path source code

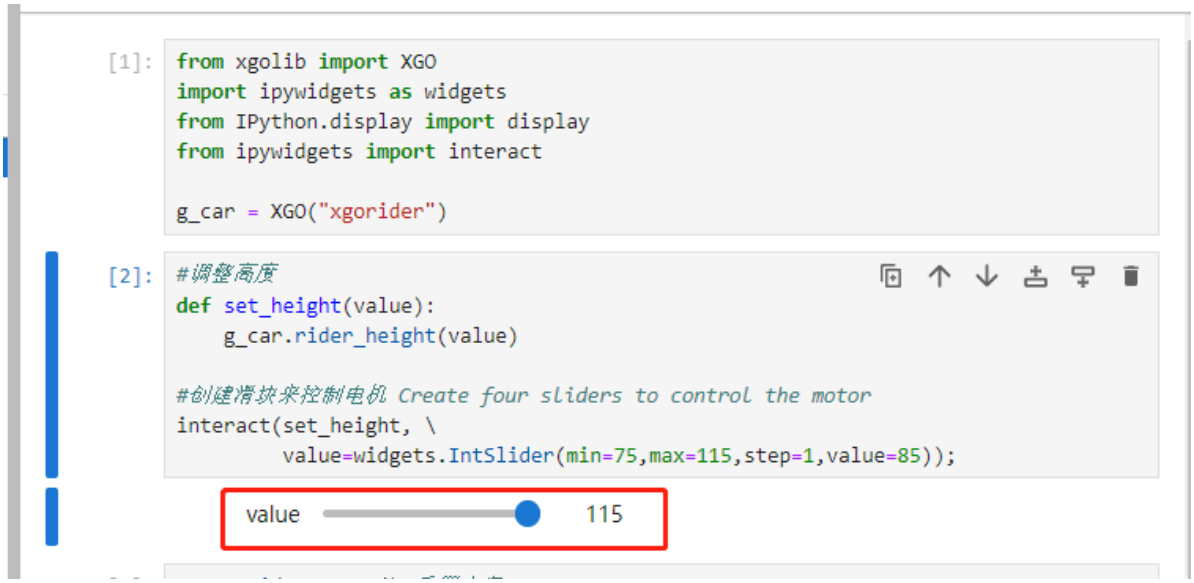
Enter the car system, end the car program, enter "ip (ip is the car's ip): 8888" in the browser, enter the password "yahboom"

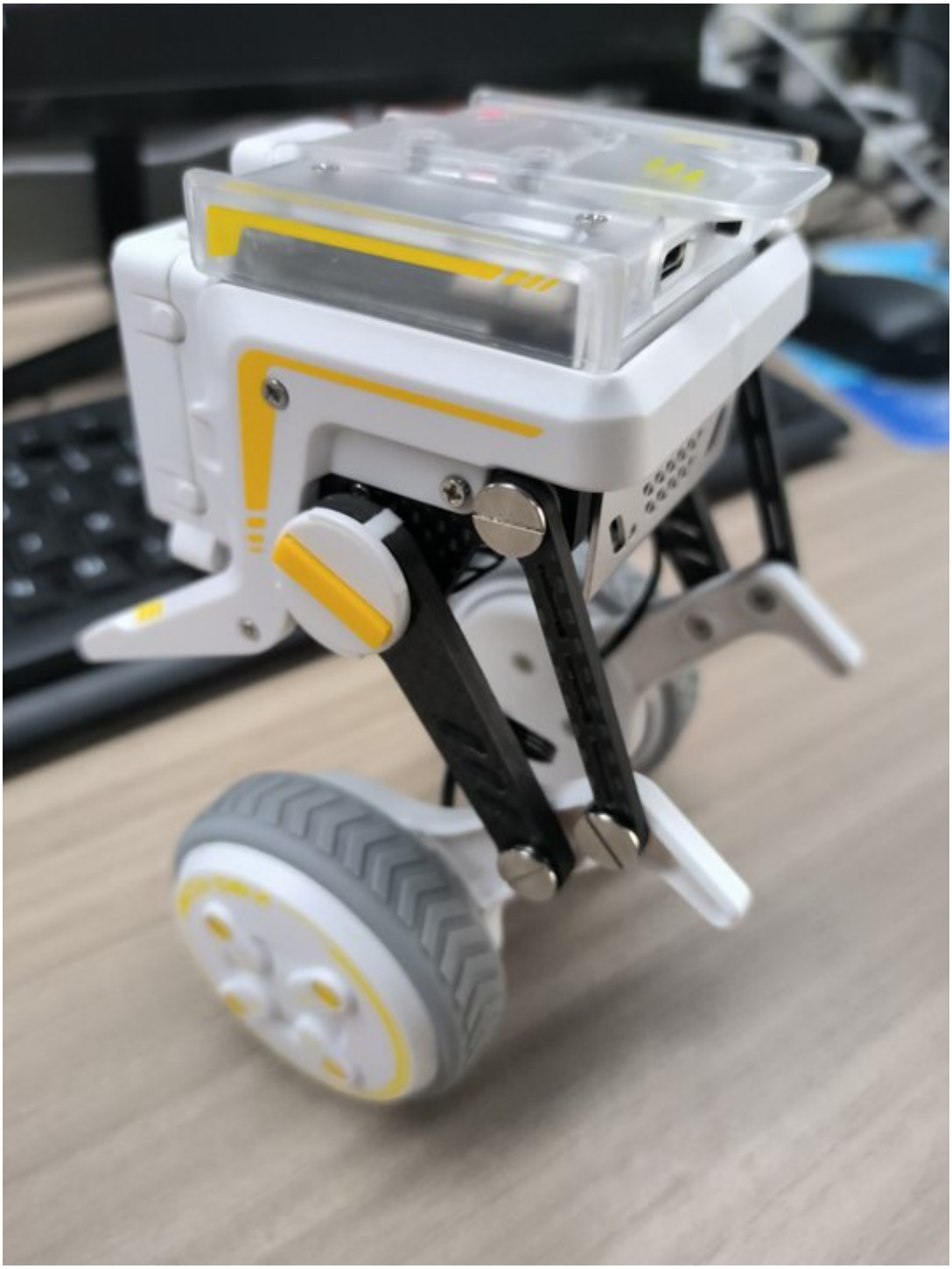


Then log in
Enter **Rider-pi_class/3.Base Motion/3. Adjust the height of the car** and run **car height.ipynb**.

3. Experimental phenomenon

After running the code, adjust the size of the slider to adjust the height of the car.
The car cannot be in a stopped state (that is, not in a standing balance state), otherwise it cannot move.
Highest:





Lowest:

Launcher | car_height.ipynb | Code | Python 3 (ipykernel)

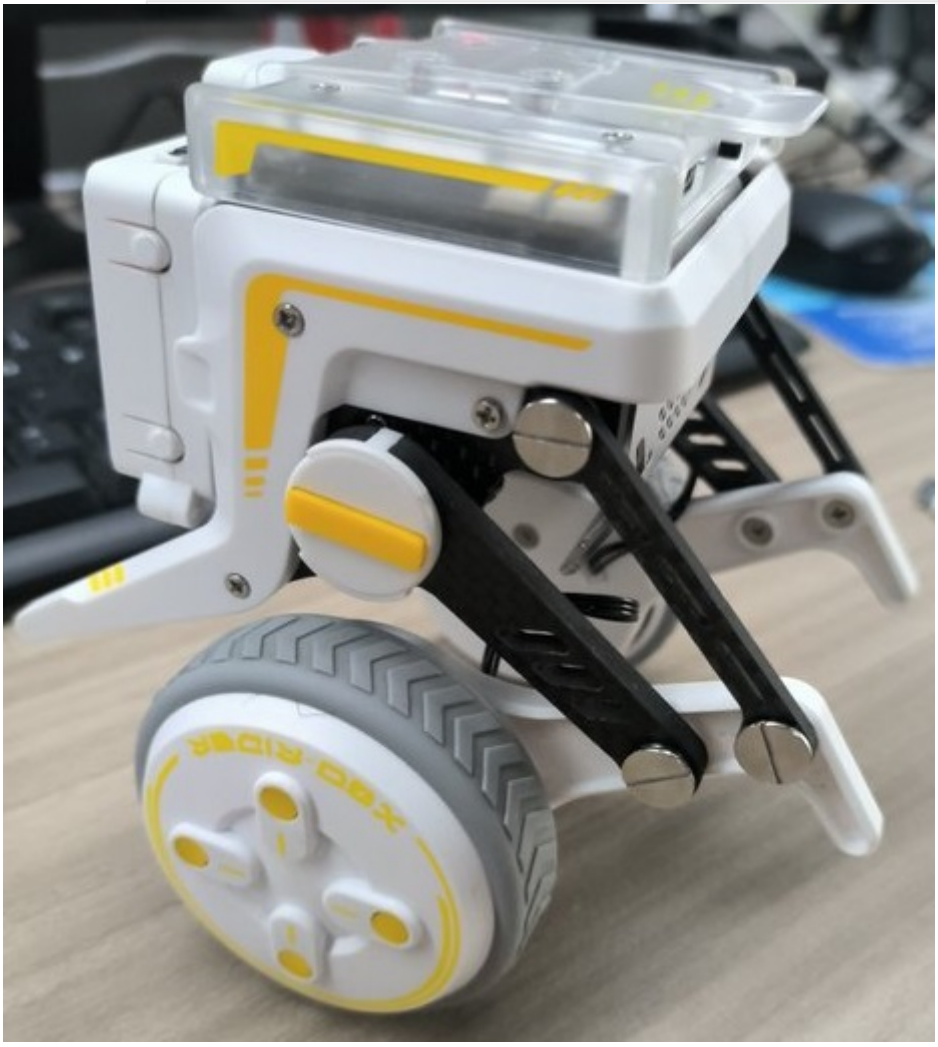
```
[1]: from xgolib import XGO
     import ipywidgets as widgets
     from IPython.display import display
     from ipywidgets import interact

     g_car = XGO("xgorider")
```

```
[2]: #调整高度
     def set_height(value):
         g_car.rider_height(value)

     #创建滑块来控制电机 Create four sliders to control the motor
     interact(set_height, \
              value=widgets.IntSlider(min=75,max=115,step=1,value=85));
```

value 75



4. Analysis of main source code parameters

```
#Adjust height
def set_height(value):
g_car.rider_height(value)

#Create sliders to control the motor Create four sliders to control the motor
interact(set_height, \
value=widgets.IntSlider(min=75,max=115,step=1,value=85));
```

rider_height: This function controls the height of the vehicle body, ranging from 75 to 115.