2.1.2 Drive servo

Raspblock possess two servos, left-right servo, and up-down servo.

!Note: left-right servo need to connect S1 port expansion board.
!Note: up-down servo need to connect S2 port expansion board.
Servo rotate range: 0-180°

1)Raspblock API function

Control Servo Individually:
Servo_control_single(index, angle)
@index: Servo index S1~S4
@angle： range of servo 500-2500 ---> 0° - 180°

2)Servo two-way control

Servo_control(angle_A, angle_B)
@ angle_A: Horizontal (left-right) servo range: 500-2500 ---> 0° - 180°
@ angle_B: Vertical (up-down) servo range: 500-1950 ---> 0° - 180°
@Be careful not to exceed this range, otherwise the servo will be damaged

Code path:
/home/pi/Yahboom_Project/2Hardware_Control_course/2_Servo.ipynb

Improt Raspblock drive library from Raspblock import Raspblock robot = Raspblock()
robot.Servo_control_single(1, 500) # Servo S1 rotate to 0°
robot.Servo_control(500, 1300) #Horizontal servo 500, vertical servo 1300
del robot # The object needs to be released after use, otherwise, when the next program needs to use this object module, it will be occupied and will become unusable