

Controlling Multi-Joint Motion

Preparation

M5Stack series: Make sure robot is connected with PC.

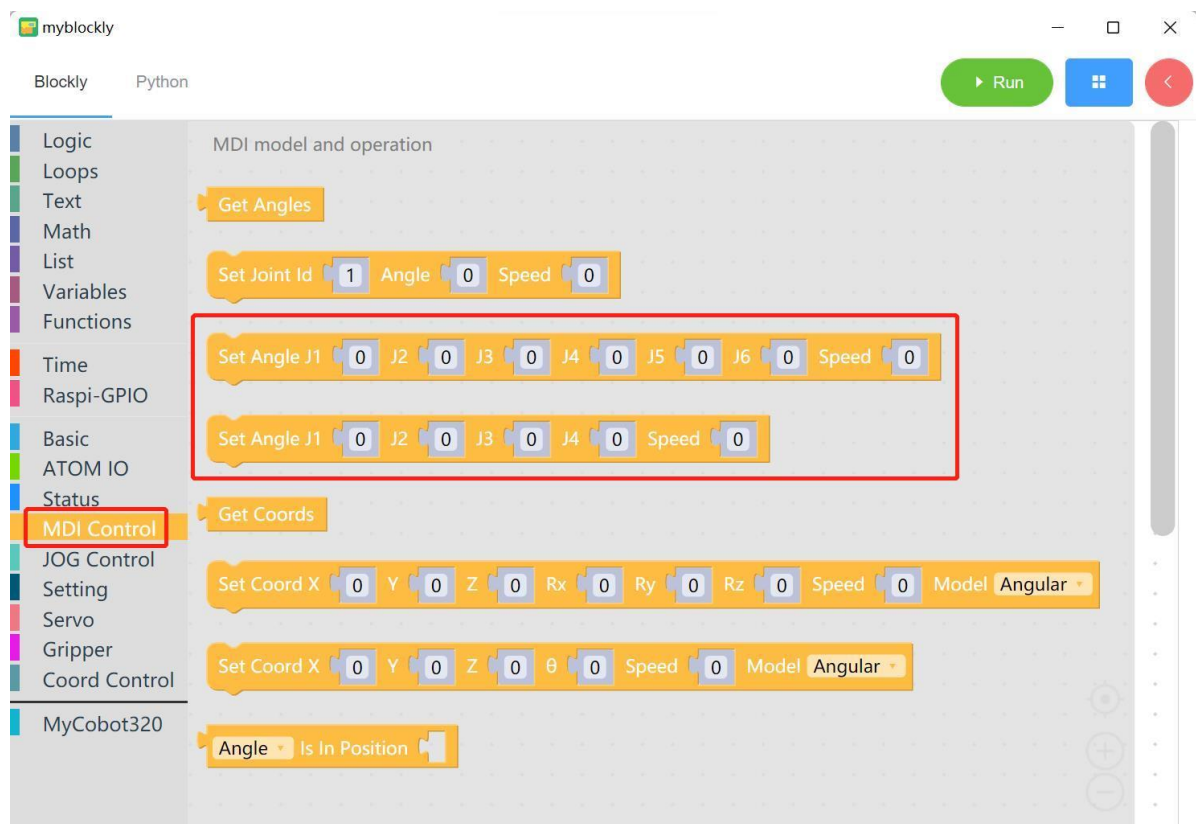
Other series: Make sure the robot is in normal status.

Purpose for this section

This section introduces instructions for controlling multi-joint motion.

Introduction to API

- Set Angle ()



- Applicable to six-axis robots (myCobot 280 series, mechArm series and myCobot 320 series)



- Applicable to four-axis robots (myPalletizer series)



- Parameters:

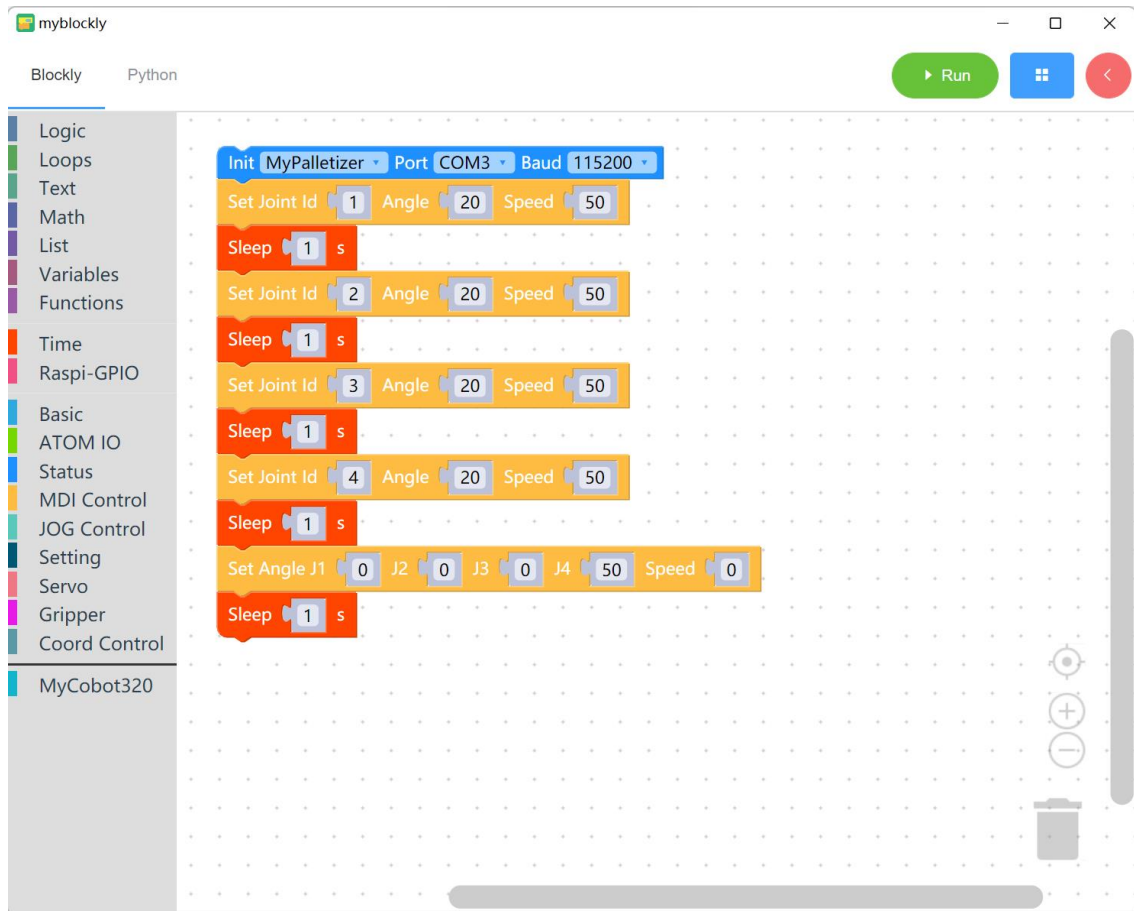
Joint angle: set angles within its due range according to your needs.

Speed: set speed within its due range according to your needs.

- Function: multiple joints move to corresponding degree at the preset speed.

Simple Demo

- Program for display:



- Motion:

Arms move to the starting point,

after 2 seconds, Joint 1, Joint 2, Joint 3 and Joint 4 move to 30 degree, 30 degree, -30 degree and 50 degree respectively at the speed of 50,

after 2 seconds, arms move to the starting point at the speed of 50,

after 2 seconds, Joint 1, Joint 2, Joint 3 and Joint 4 move to -30 degree, 0 degree, 30 degree and -50 degree respectively at the speed of 50,

program is over in 2 seconds.