
Po Kok Secondary School
AI MAKER WORKSHOP

Lecture 1

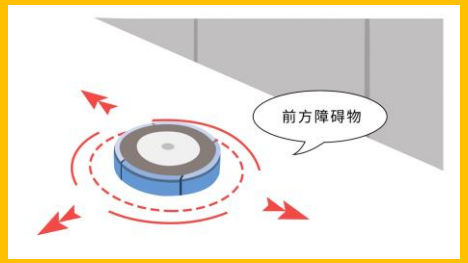
Operation of an AI Smart Car – Movements, Sensors, Face Detection and Gesture Recognition

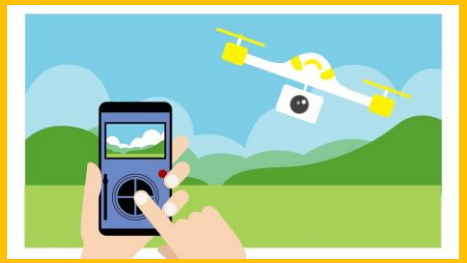
01

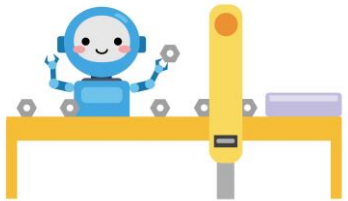
ROBOTS

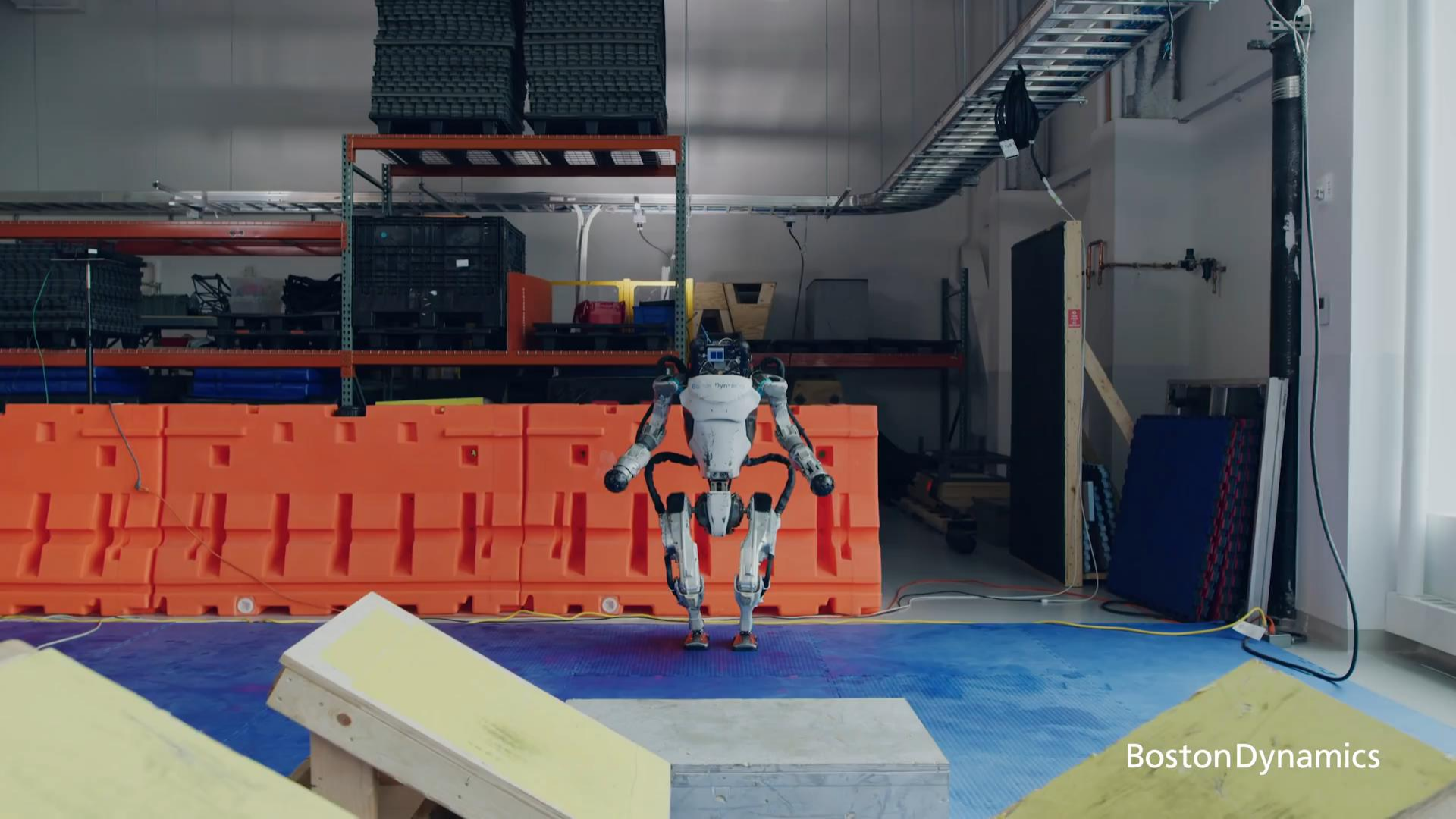
WHAT IS A ROBOT?

A robot is a machine that can perform various functions through its own power and control.







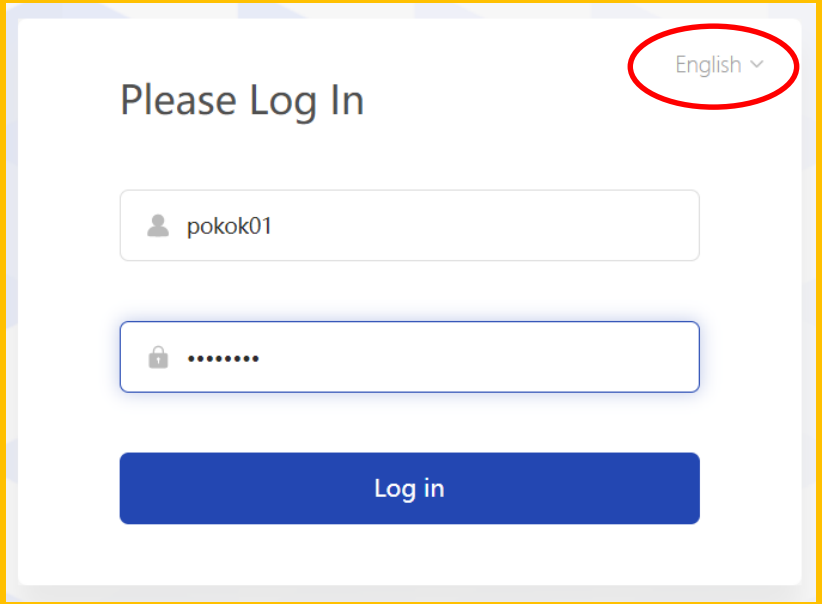

BostonDynamics

Basic Operations

Please login: hk.study.sensetime.com/course/login

Username:
pokok01 ~ pokok30

Password:
pokok123



Basic Operations

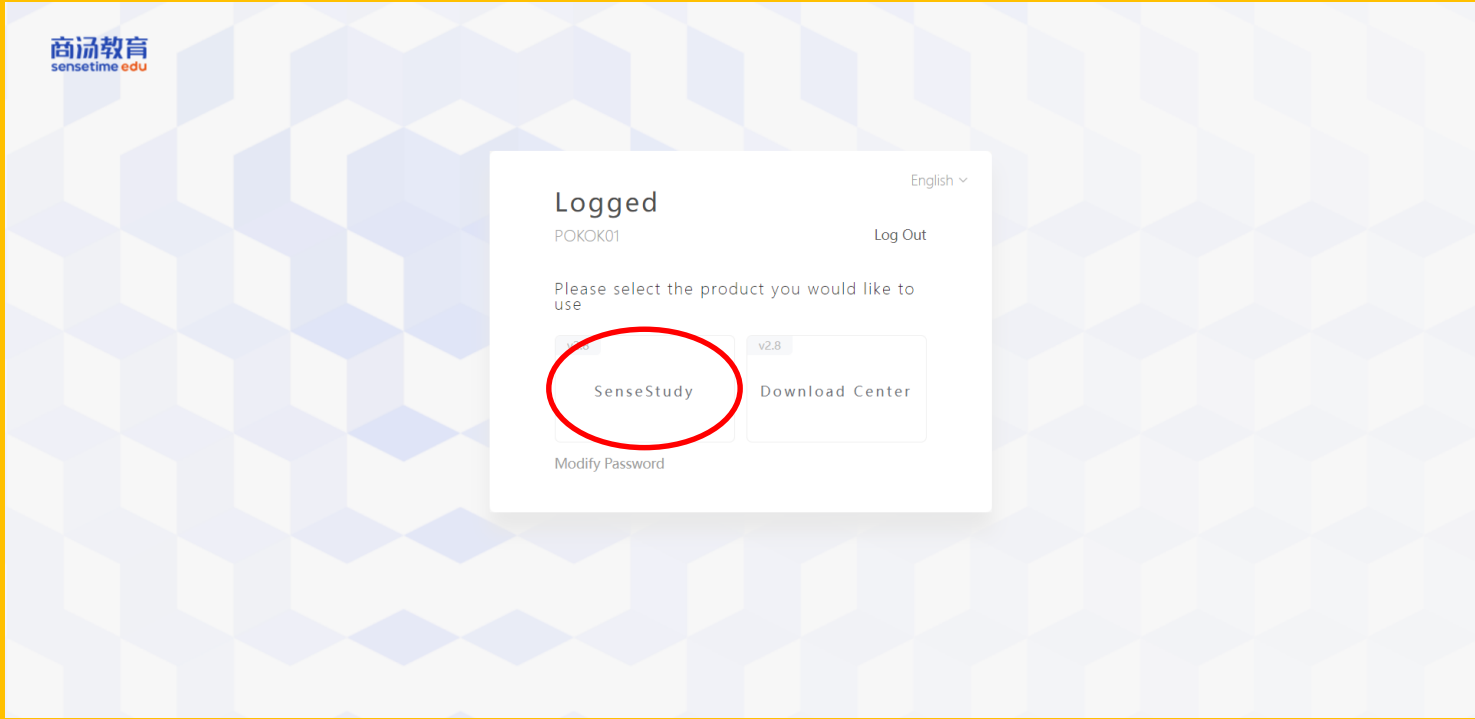
Preparation – Connect SenseStorm with the Platform

1. Make sure your laptop use the same “pkss_607” WIFI network as SenseStorm.

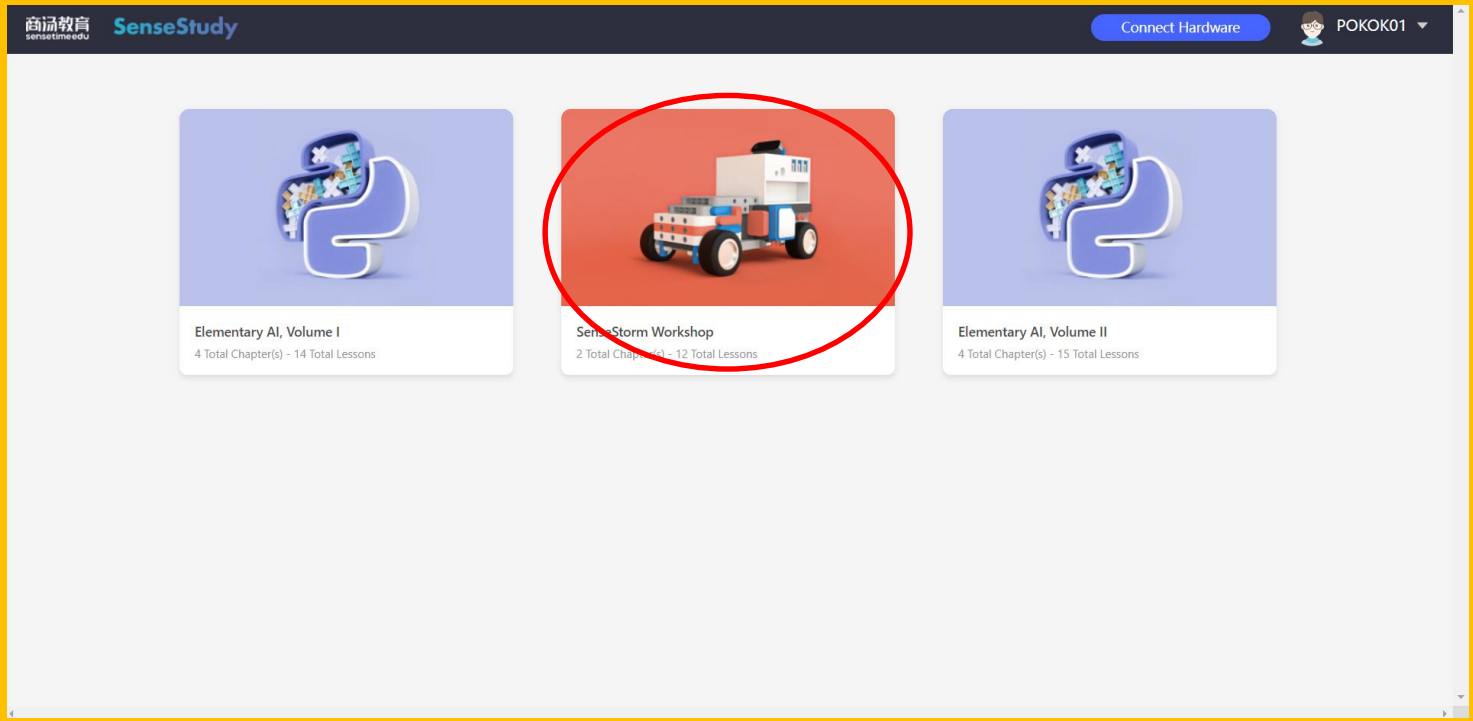
2. Log into SenseStudy platform, and use the “SenseStorm Workshop” course package.

3. On the right upper corner of the interface, click the “Connect to hardware” and find the ***series no.*** of your SenseStorm. Click “Connect”.

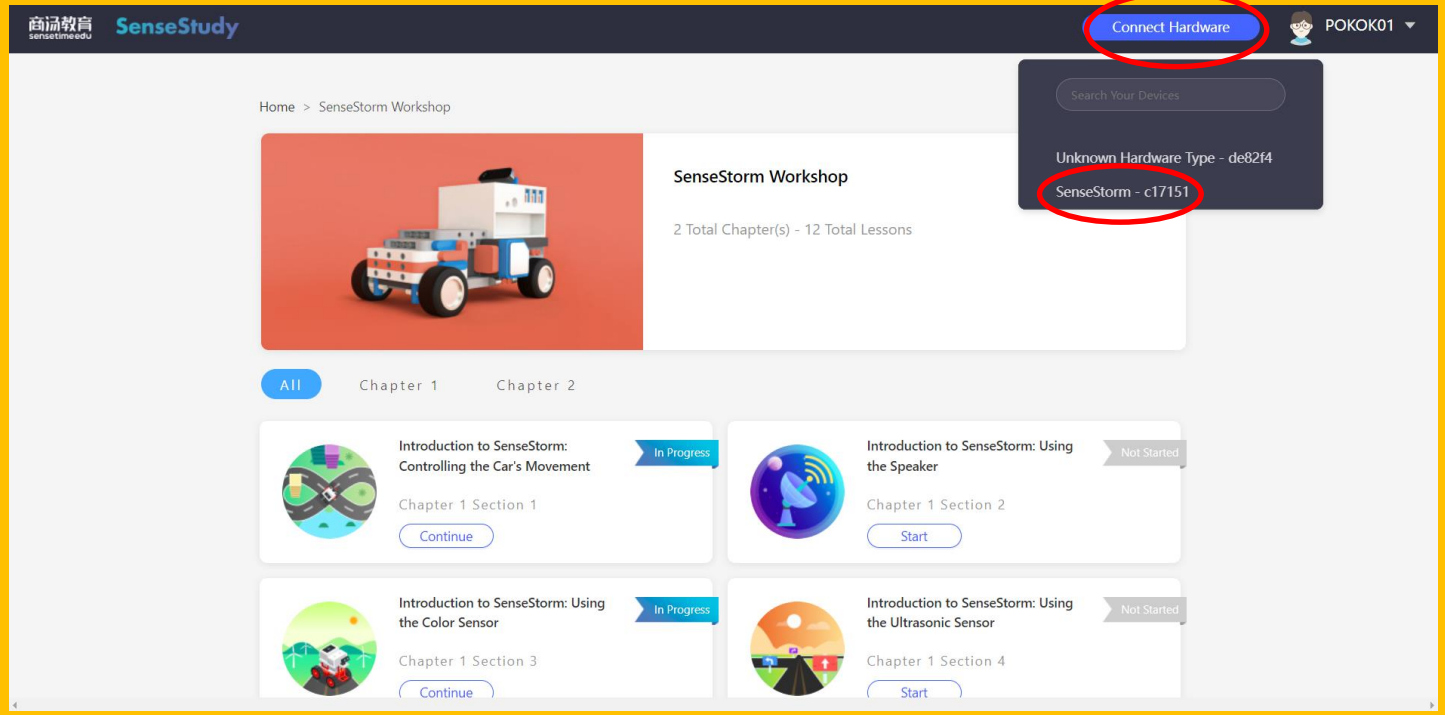
Basic Operations



Basic Operations



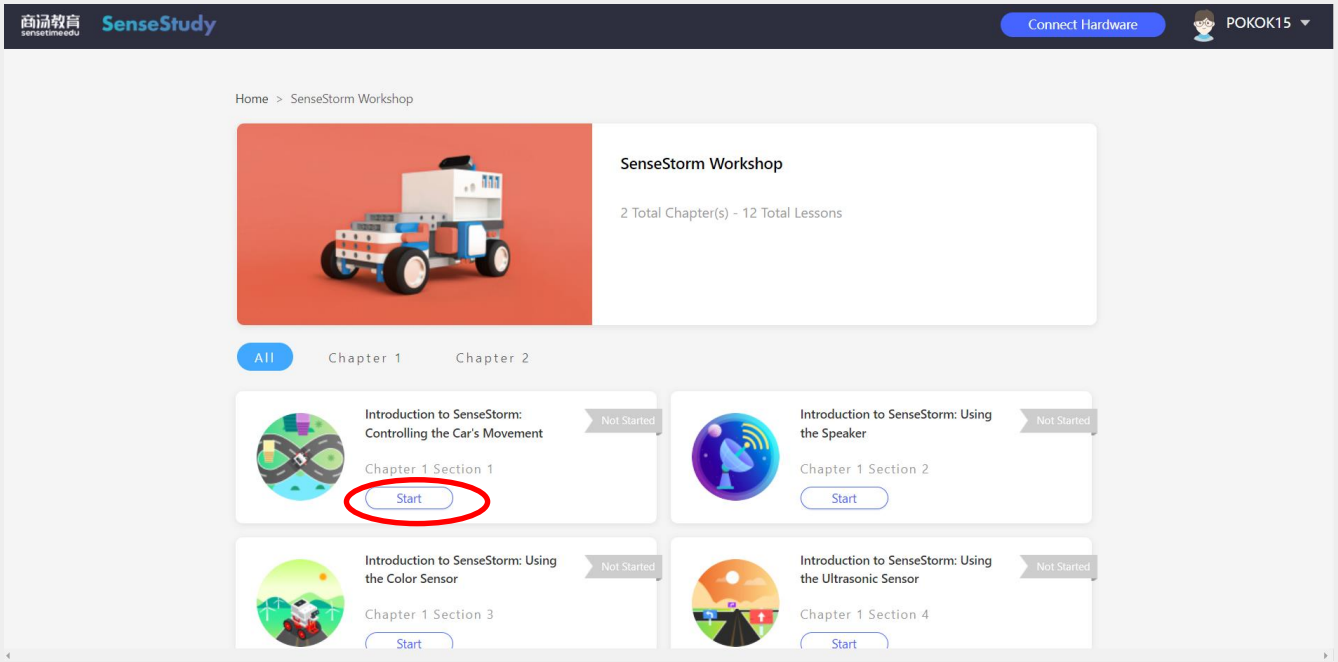
Basic Operations



SenseStudy Experiment

1

Choose Experiment: Introduction to SenseStorm (Chapter 1 Section 1)



2

3

4

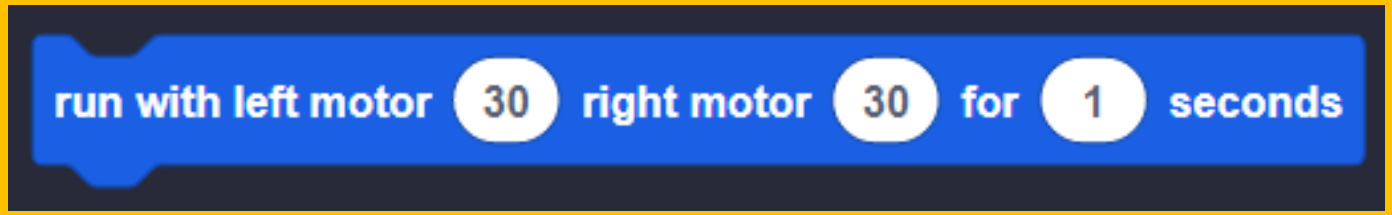
Build a Smart Car

Building Manual Download:

shorturl.at/deBRW

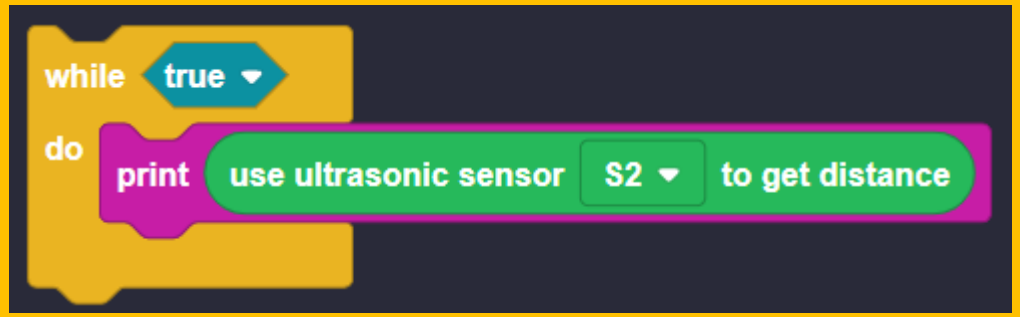
Basic Operation

Move Forward, Backward, Left-turn, Right-turn and U-turn



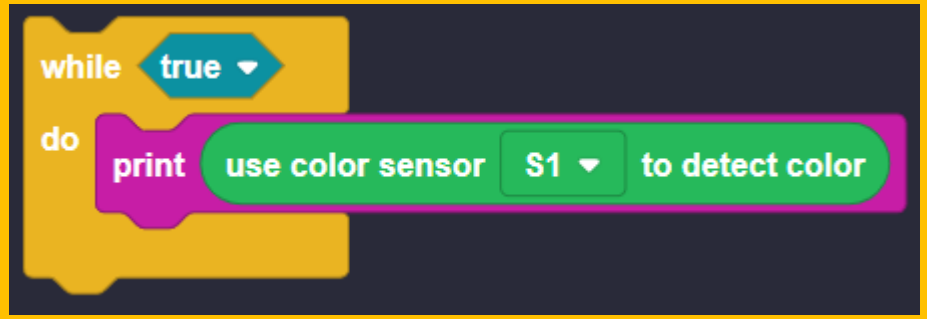
Basic Operation

Use the Ultrasonic Sensor



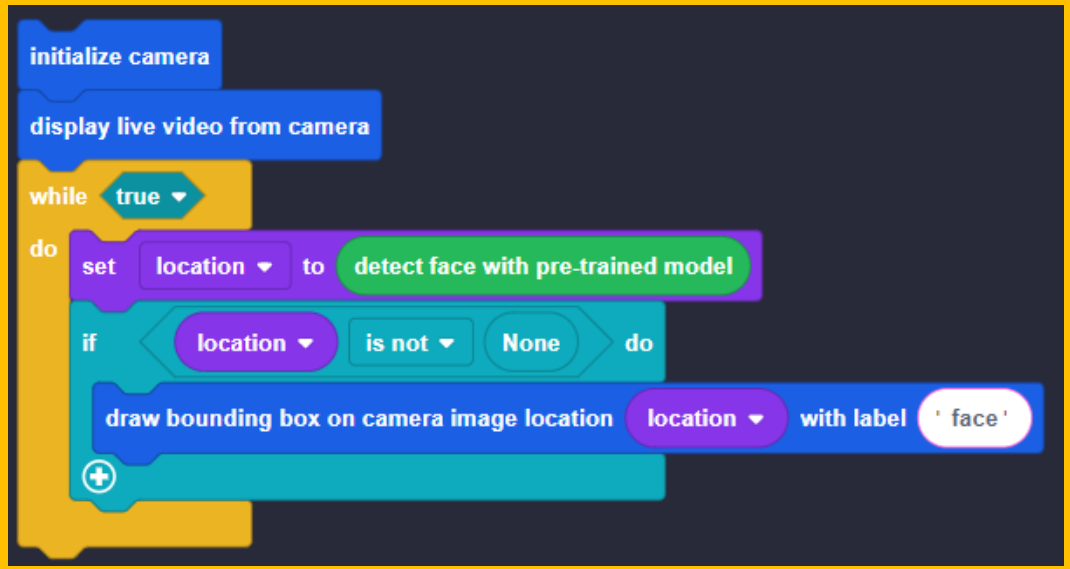
Basic Operation

Use the Color Sensor



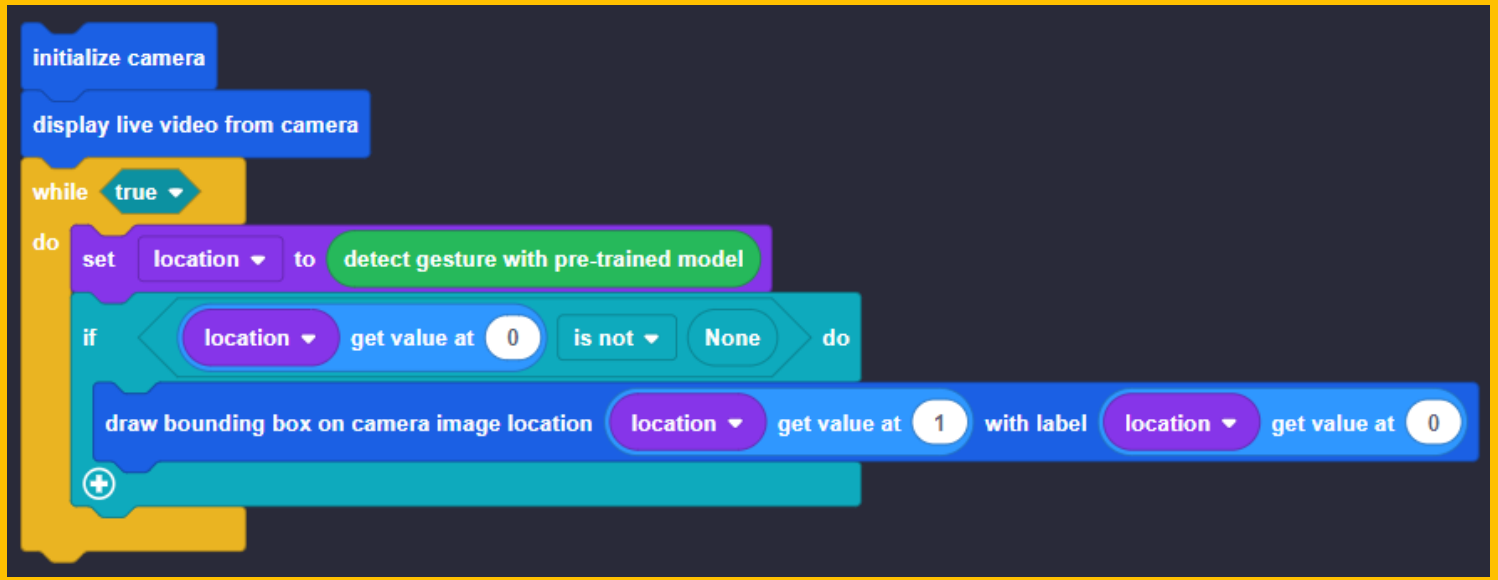
Basic Operation

Face Detection



Basic Operation

Gesture Recognition



Gesture Recognition

手勢序號	手勢種類	手勢序號	手勢種類
0	"OK"	6	"GRAB"
1	"V"	7	"FIST"
2	"THUMB_UP"	8	"FIST_PALM_SALUTE"
3	"STOP"	9	"SINGLE_HAND_HEART"
4	"TICK"	10	"FOREFINGER_UP"
5	"HEART"	11	"SIX"