Project Robot

LEGO MINDSTORM EV3

Abilities:

* turn 90 degree when facing the wall
* using sensor to follow the line
* build robot

Blocks:

* Green – action block
* The action blocks control the actions of the program
* Orange – flow
* The Flow blocks control the flow of the program
* Yellow – sensor
* The Sensor blocks allows your program to read the inputs from the Color sensor, IR sensor, Touch sensor and much more.
* Red – data operation
* The data operation blocks let you write and read variables, compare values and much more.

Robot:

* 2 wheels
* 1-2 light sensors
* 1 control

Program:

* light sensor will keep measure the degree of the line, so it can get back in track
* the wheel; when turn 90 degree; left wheel will turn 45 degree

Needed:

* Start
* 2 move steering
* 1 sound at the end
* 1 loop
* 1 switch