// Robotics with the BOE Shield - ForwardThreeSeconds

// Make the BOE Shield-Bot roll forward for three seconds, then stop.

#include <Servo.h> // Include servo library

Servo servoLeft; // Declare left and right servos

Servo servoRight;

void setup() // Built-in initialization block

{

tone(4, 3000, 1000); // Play tone for 1 second

delay(1000); // Delay to finish tone

servoLeft.attach(13); // Attach left signal to pin 13

servoRight.attach(12); // Attach right signal to pin 12

// Full speed forward

servoLeft.writeMicroseconds(1300); // Left wheel counterclockwise

servoRight.writeMicroseconds(1700); // Right wheel clockwise

delay(3000); // ...for 3 seconds

servoLeft.detach(); // Stop sending servo signals

servoRight.detach();

}

void loop() // Main loop auto-repeats

{ // Empty, nothing needs repeating

}

int i = 0;

void setup(){

for(i = 4; i < 14; i++) {

pinMode(i, OUTPUT);

}

}

void loop(){

for(i = 0; i < 1; i++){

digitalWrite(13, LOW);

digitalWrite(12, LOW);

digitalWrite(11, LOW);

digitalWrite(10, LOW);

digitalWrite(9, LOW);

digitalWrite(8, LOW);

digitalWrite(7, LOW);

digitalWrite(6, LOW);

digitalWrite(5, LOW);

digitalWrite(4, LOW);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(13, HIGH);

digitalWrite(12, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(4, HIGH);

digitalWrite(5, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(11, HIGH);

digitalWrite(10, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(7, HIGH);

digitalWrite(6, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(9, HIGH);

digitalWrite(8, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(13, LOW);

digitalWrite(12, LOW);

digitalWrite(11, LOW);

digitalWrite(10, LOW);

digitalWrite(9, LOW);

digitalWrite(8, LOW);

digitalWrite(7, LOW);

digitalWrite(6, LOW);

digitalWrite(5, LOW);

digitalWrite(4, LOW);

delay(600);

}

for(i = 0; i < 1; i++){

digitalWrite(13, HIGH);

digitalWrite(12, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(4, HIGH);

digitalWrite(5, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(11, HIGH);

digitalWrite(10, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(7, HIGH);

digitalWrite(6, HIGH);

delay(500);

}

for(i = 0; i < 1; i++){

digitalWrite(9, HIGH);

digitalWrite(8, HIGH);

delay(250);

}

}