//L293D

//Motor A

const int motorPin1 = 5; // Pin 14 of L293

const int motorPin2 = 6; // Pin 10 of L293

//Motor B

const int motorPin3 = 10; // Pin 7 of L293

const int motorPin4 = 9; // Pin 2 of L293

void setup(){

 //Set pins as outputs

 pinMode(motorPin1, OUTPUT);

 pinMode(motorPin2, OUTPUT);

 pinMode(motorPin3, OUTPUT);

 pinMode(motorPin4, OUTPUT);

 //Motor Control - Motor A: motorPin1,motorpin2 & Motor B: motorpin3,motorpin4

 //This code will turn Motor A and B clockwise for 4 sec.

 digitalWrite(motorPin1, HIGH);

 digitalWrite(motorPin2, LOW);

 digitalWrite(motorPin3, HIGH);

 digitalWrite(motorPin4, LOW);

 delay(4000);

 //This code will turn Motor A and B counter-clockwise for 2 sec.

 digitalWrite(motorPin1, LOW);

 digitalWrite(motorPin2, HIGH);

 digitalWrite(motorPin3, LOW);

 digitalWrite(motorPin4, HIGH);

 delay(2000);

 //This code will turn Motor B clockwise for 4 sec.

 digitalWrite(motorPin1, LOW);

 digitalWrite(motorPin2, LOW);

 digitalWrite(motorPin3, HIGH);

 digitalWrite(motorPin4, LOW);

 delay(4000);

 //This code will turn Motor B counter-clockwise for 2 sec.

 digitalWrite(motorPin1, LOW);

 digitalWrite(motorPin2, LOW);

 digitalWrite(motorPin3, LOW);

 digitalWrite(motorPin4, HIGH);

 delay(2000);

 //And this code will stop motors

 digitalWrite(motorPin1, LOW);

 digitalWrite(motorPin2, LOW);

 digitalWrite(motorPin3, LOW);

 digitalWrite(motorPin4, LOW);

}

void loop(){

 }