//Includes the Arduino Stepper Library

#include <Stepper.h>

// Defines the number of steps per rotation

const int stepsPerRevolution = 2038;

// Creates an instance of stepper class

// Pins entered in sequence IN1-IN3-IN2-IN4 for proper step sequence

Stepper myStepper = Stepper(stepsPerRevolution, 8, 10, 9, 11);

void setup() {

// Nothing to do (Stepper Library sets pins as outputs)

}

void loop() {

// Rotate CW slowly at 5 RPM

myStepper.setSpeed(5);

myStepper.step(stepsPerRevolution);

delay(1000);

// Rotate CCW quickly at 10 RPM

myStepper.setSpeed(10);

myStepper.step(-stepsPerRevolution);

delay(1000);

}