/This code is to use with L298n Dual H-bridge motor driver<br>//It just turns on a DC motor for a certain time in a direction, turn it off, turn in the other direction and turn it off again

//refer to surtrtech.blogspot.com for more information

int in1 = 9; //Declaring the pins where in1 in2 from the driver are wired

int in2 = 8; //here they are wired with D9 and D8 from Arduino

void setup() {

pinMode(in1, OUTPUT); //Declaring the pin modes, obviously they're outputs

pinMode(in2, OUTPUT);

}

//Before starting the loop you should create functions type "void" to control the driver's pins

//Here I created three functions, one to turn the motor in a direction "#1", the other one to the other direction "#3"

//and the second one to stop the motor

//For changing directions you switch the HIGH with LOW and vice-versa

void TurnMotorA(){

digitalWrite(in1, HIGH);

digitalWrite(in2, LOW);

}

void TurnOFFA(){

digitalWrite(in1, LOW);

digitalWrite(in2, LOW);

}

void TurnMotorA2(){

digitalWrite(in1,LOW);

digitalWrite(in2,HIGH);

}

void loop() {

TurnMotorA(); // We turn to direction 1 for 3s then stop for 2s

delay(3000);

TurnOFFA();

delay(2000);

TurnMotorA2(); // We turn to direction 2 for 3s then stop for 2s

delay(3000);

TurnOFFA();

delay(2000);

}