DC motor system code:

void setup()

{

pinMode(3, OUTPUT);

pinMode(5, OUTPUT);

pinMode(10, OUTPUT);

pinMode(11, OUTPUT);}

void forward(){

digitalWrite(3, HIGH);

digitalWrite(5, LOW);

digitalWrite(10, LOW);

digitalWrite(11, HIGH);

delay(2000);}

void backward(){

digitalWrite(3, 0);

digitalWrite(5, 1);

digitalWrite(10, 1);

digitalWrite(11, 0);

delay(2000);}

void stopmotor(){

digitalWrite(3, 0);

digitalWrite(5, 0);

digitalWrite(10, 0);

digitalWrite(11, 0);

delay(2000);}

void loop(){

forward();

stopmotor();

backward();}