CODE

```
    digitalWrite(LeftMotorForward, LOW);
    digitalWrite(RightMotorBackward, LOW);
    digitalWrite(LeftMotorBackward, LOW);
  }



#include <Servo.h>          //Servo motor library. This is standard
library
#include <NewPing.h>        //Ultrasonic sensor function library. You must
install this library

//our L298N control pins
const int LeftMotorForward = 5;
const int LeftMotorBackward = 4;
const int RightMotorForward = 3;
const int RightMotorBackward = 2 ;

//sensor pins
#define trig_pin A1 //analog input 1
#define echo_pin A2 //analog input 2

#define maximum_distance 200
boolean goesForward = false;
int distance = 100;

NewPing sonar(trig_pin, echo_pin, maximum_distance); //sensor function
Servo servo_motor; //our servo name


void setup(){

  pinMode(RightMotorForward, OUTPUT);
  pinMode(LeftMotorForward, OUTPUT);
  pinMode(LeftMotorBackward, OUTPUT);
  pinMode(RightMotorBackward, OUTPUT);

  servo_motor.attach(9); //our servo pin

  servo_motor.write(115);
  delay(2000);
  distance = readPing();
  delay(100);
  distance = readPing();
  delay(100);
  distance = readPing();
  delay(100);
  distance = readPing();
  delay(100);
}

void loop(){

  int distanceRight = 0;
  int distanceLeft = 0;
  delay(50);

  if (distance <= 35){
    moveStop();
    delay(300);
    moveBackward();
```

```
  digitalWrite(RightMotorForward, HIGH);

  digitalWrite(LeftMotorForward, LOW);
  digitalWrite(RightMotorBackward, LOW);

  delay(250);

  digitalWrite(LeftMotorForward, HIGH);
  digitalWrite(RightMotorForward, HIGH);

  digitalWrite(LeftMotorBackward, LOW);
  digitalWrite(RightMotorBackward, LOW);
}
```