

Obstacle avoidance driving

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```
#include <HCSR04.h>
#include <Servo.h>
HCSR04 hc(D1, D2);
HCSR04 hd(D3, D4);
int d1 = 0;
int d2 = 0;
int dis1 = 0;
int dis2 = 0;
int avg1 = 0;
int avg2 = 0;
Servo servo;
void setup()
{ Serial.begin(9600);servo.attach(D0);}

void loop()
{
    avg1 = 0;
    avg2 = 0;
    for(int i=0;i<10;i++) { dis1 = hc.dist(); delay(30); dis2 = hd.dist();
avg1 += dis1; avg2 += dis2; delay(30); }

    d1 = avg1/10;

    Serial.print(" Ist sensor distance : ");
    Serial.println(d1);

    d2 = avg2/10;

    Serial.print(" 2nd sensor distance : ");
    Serial.println(d2);

    delay(300);
    if (d1>d2){Serial.print("Ist less then 2nd TURN RIGHT");servo.write(180);}
    else {Serial.print("Ist more then 2nd TURN LEFT");servo.write(0);}
}
```

