

```
int led=6;
int mot1l = 8;
int mot1d = 9;
int mot2l = 2;
int mot2d =10;
int trig1 = 4;
int echo1 = 5;
long vrijeme=0;
int razmak=0;
int pir = 13;
int buz = 11;
```

```
void setup() {
  pinMode(3,OUTPUT);
  pinMode(led,OUTPUT);
  pinMode(mot1l,OUTPUT);
  pinMode(mot1d,OUTPUT);
  pinMode(mot2l,OUTPUT);
  pinMode(mot2d,OUTPUT);
  pinMode(trig1,OUTPUT);
  pinMode(echo1,INPUT);
  pinMode(pir,INPUT);
  pinMode(buz,OUTPUT);
  digitalWrite(3,HIGH);
  digitalWrite(6,HIGH);
}
```

```
void loop() {
  digitalWrite(mot1l,HIGH);
  digitalWrite(mot1d,LOW);
  digitalWrite(mot2l,HIGH);
  digitalWrite(mot2d,LOW);
  if (pir==1){
    digitalWrite (buz,HIGH);
    delay(500);
    digitalWrite (buz,LOW);
  }
  digitalWrite(trig1, LOW);
  delayMicroseconds(2);
  digitalWrite(trig1, HIGH);
  delayMicroseconds(10);
  digitalWrite(trig1, LOW);
  vrijeme = pulseIn(echo1, HIGH);
  razmak= vrijeme*0.034/2;

  if (razmak<15){
    //digitalWrite(led,HIGH);
    //motori stop
```

```
digitalWrite(mot1l,LOW);
digitalWrite(mot2l,LOW);
delay(100);
//motori natrag
digitalWrite(mot1d,HIGH);
digitalWrite(mot2d,HIGH);
delay(1000);
//motori stop
digitalWrite(mot1l,LOW);
digitalWrite(mot2l,LOW);
delay(100);
//okreći desno
digitalWrite(mot1l,HIGH);
digitalWrite(mot1d,LOW);
digitalWrite(mot2d,HIGH);
digitalWrite(mot2l,LOW);
delay(1500);

}
else{
  //digitalWrite(led,LOW);
}
}
```