```
const int trigPin = 1;
const int echoPin = A5;
int sagyon1 = A1;
int sagyon2 = A2;
int solyon1 = A4;
int solyon2 = A3;
int sagpwm = 10;
int solpwm = 9;
int led = 11;
int ds1 = 4;
int ds2 = 3;
int ds3 = 2;
int i = 9;
int buton = A0;
int buzzer = 8;
long duration;
int distance;
void setup() {
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
  pinMode(sagyon1, OUTPUT);
  pinMode(sagyon2, OUTPUT);
  pinMode(solyon1, OUTPUT);
  pinMode(solyon2, OUTPUT);
  pinMode(sagpwm, OUTPUT);
  pinMode(solpwm, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(ds1, INPUT);
  pinMode(ds2, INPUT);
  pinMode(ds3, INPUT);
  pinMode(led, OUTPUT);
```

```
  pinMode(buton, INPUT);
  Serial.begin(9600);
  digitalWrite(ds1, HIGH);
  digitalWrite(ds2, HIGH);
  digitalWrite(ds3, HIGH);
    digitalWrite(buton,HIGH);
  analogWrite(9, 100);
  analogWrite(10, 100);


}
void loop() {
  if (digitalRead(ds1) == 0 && digitalRead(ds2) == 0 && digitalRead(ds3) == 0 && digitalRead(buton)
== 1 ) {
    digitalWrite(buzzer, HIGH);
    delay(600);
    digitalWrite(buzzer, LOW);
    delay(1000);
devam:
while(1){
 digitalWrite(trigPin, LOW);
    delayMicroseconds(2);
    digitalWrite(trigPin, HIGH);
    delayMicroseconds(10);
    digitalWrite(trigPin, LOW);
    duration = pulseIn(echoPin, HIGH);
    distance = duration * 0.034 / 2;
    Serial.print("Distance: ");
    Serial.println(distance);
  if (distance < 30) {

        analogWrite(9, 160);
```

```
   analogWrite(10, 160);


     digitalWrite(buzzer, HIGH);
     digitalWrite(solyon1, HIGH);
     digitalWrite(solyon2, LOW);

     digitalWrite(sagyon1, HIGH);
     digitalWrite(sagyon2, LOW);




   } else if(distance > 31) {


      analogWrite(9, 160);
   analogWrite(10, 160);
     digitalWrite(buzzer, LOW);
     digitalWrite(solyon2, HIGH);
     digitalWrite(solyon1, LOW);
     digitalWrite(sagyon1, HIGH);
     digitalWrite(sagyon2, LOW);


   }
}
   goto devam;
  } else if (digitalRead(ds1) == 1 && digitalRead(ds2) == 1 && digitalRead(ds3) == 1 &&
digitalRead(buton) == 1 ) {
   digitalWrite(buzzer, HIGH);
   delay(600);
   digitalWrite(buzzer, LOW);
   delay(1000);
takip:
```

```
analogWrite(9, 160);
analogWrite(10, 160);
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
duration = pulseIn(echoPin, HIGH);
distance = duration * 0.034 / 2;
Serial.print("Distance: ");
Serial.println(distance);
if (distance < 30) {
  digitalWrite(buzzer, HIGH);
  digitalWrite(solyon1, HIGH);
  digitalWrite(solyon2, LOW);
  digitalWrite(sagyon2, HIGH);
  digitalWrite(sagyon1, LOW);
} else if (distance >= 30 && distance <= 50) {
  digitalWrite(buzzer, LOW);
  digitalWrite(solyon1, LOW);
  digitalWrite(solyon2, LOW);
  digitalWrite(sagyon2, LOW);
  digitalWrite(sagyon1, LOW);
} else if (distance > 50) {
  digitalWrite(buzzer, HIGH);
  digitalWrite(solyon2, HIGH);
  digitalWrite(solyon1, LOW);
  digitalWrite(sagyon1, HIGH);
  digitalWrite(sagyon2, LOW);
}
goto takip;
```

```
  }
}
```