

```
1 #-----Setup-----
2
3
4 import Ed
5
6 Ed.EdisonVersion = Ed.V2
7
8 Ed.DistanceUnits = Ed.CM
9 Ed.Tempo = Ed.TEMPO_MEDIUM
10
11 #-----Your code below-----
12
13 Ed.ObstacleDetectionBeam(Ed.ON)
14
15 while True:
16     Ed.Drive(Ed.FORWARD, Ed.SPEED_1, Ed.DISTANCE_UNLIMITED)
17
18     obstacle=Ed.ReadObstacleDetection()
19
20     if obstacle>Ed.OBSTACLE_NONE:
21         Ed.Drive(Ed.BACKWARD, Ed.SPEED_5, 7)
22         if obstacle==Ed.OBSTACLE_LEFT:
23             Ed.Drive(Ed.SPIN_RIGHT, Ed.SPEED_5,90)
24         elif obstacle==Ed.OBSTACLE_RIGHT:
25             Ed.Drive(Ed.SPIN_LEFT, Ed.SPEED_5, 90)
26         elif obstacle==Ed.OBSTACLE_AHEAD:
27             Ed.Drive(Ed.SPIN_RIGHT, Ed.SPEED_5, 180)
28         Ed.ReadObstacleDetection()
29
```