

```
1  """
2
3  Author:      Muhammad Anees Khan
4  Created:     10/19/2020
5  Description:  The zombies are chasing the person.
6
7  """
8  #background
9  Rect(0, 0, 400, 400, fill='skyblue')
10 #obstacle
11 Rect(0, 340, 400, 400)
12 Rect(340, 240, 90, 400)
13
14 obstacle = Rect(220, 325, 50, 20, fill=gradient('black', 'black', 'brown', start='bottom'))
15
16
17 #direction
18 Rect(140, 285, 45, 30, fill='grey')
19 Line(162, 315, 162, 340)
20 Line(145, 310, 180, 290, arrowEnd=True)
21
22 #zombies
23 def stickZombies(zombies, start):
24
25     for i in range(4):
26         zombies.add(Line(24+15*i, 265, 24+15*i, 315, fill='black'),
27             Circle(24+15*i, 265, 14),
28             Line(24+15*i, 315, 42+15*i, 340),
29             Line(24+15*i, 315, 10+15*i, 340),
30             Line(24+15*i, 293, 49+15*i, 281),
31             Line(24+15*i, 296, 50+15*i, 286))
32
33 runningZombies=Group(Label('Agh! Brains...', 55, 245))
34 stickZombies(runningZombies, 24)
35
36
37
38 #person
39 def personRunning(person, start):
40     person.add(Line(start, 265, start, 315, fill='black'),
41         Circle(start, 265, 14),
42         Line(start, 315, 150, 340),
43         Line(start, 315, 118, 340),
44         Line(start, 293, 160, 281),
45         Line(start, 296, 163, 286))
46
47
48 runPerson=Group()
49 personRunning(runPerson, 130)
50
51
52
53 #controlling the movement of zombies and person
54 def onStep():
55     for i in runningZombies.children:
56         i.centerX+=1
57         if runningZombies.centerX>=310:
58             runningZombies.centerX=310
59
60     runPerson.centerX+=2
61
62     if runPerson.centerX>=230:
63         runPerson.centerY-=2
64
65     if runPerson.centerY<=200:
66         runPerson.centerY=200
```