

```

1 import java.io.*;
2
3 public class question52
4 {
5     public static void main(String args[])throws IOException
6     {
7         InputStreamReader read=new InputStreamReader(System.in);
8         BufferedReader in=new BufferedReader(read);
9
10        String worldmap[][]=new String[10][10];
11        //initializing the world map
12        for(int i=0;i<10;i++)
13        {
14            for(int j=0;j<10;j++)
15            {
16                worldmap[i][j]=" _ ";
17            }
18        }
19
20        int xpos=0; // x position of Pikachu
21        int ypos=0; // y position of Pikachu
22
23        char n=' ';
24
25        do
26        {
27            System.out.print("Enter A to go left; D to go right; W to go up; S to go
28            down and Z to exit. ->");
29            n=in.readLine().charAt(0);
30
31            if(n=='A')
32            {
33                if(ypos!=0)
34                {
35                    ypos-=1;
36                }
37            }
38            else if(n=='D')
39            {
40                if(ypos!=9)
41                {
42                    ypos+=1;
43                }
44            }
45            else if(n=='W')
46            {
47                if(xpos!=0)
48                {
49                    xpos-=1;
50                }
51            }
52            else if(n=='S')
53            {
54                if(xpos!=9)
55                {
56                    xpos+=1;
57                }
58            }
59
60            for(int i=0;i<10;i++)
61            {
62                for(int j=0;j<10;j++)
63                {
64                    if(xpos==i && ypos==j)
65                        System.out.print(" P ");

```

```
65         else
66             System.out.print(worldmap[i][j]);
67     }
68     System.out.println();
69 }
70
71 }while(n!='Z');
72
73 }
74 }
```