

## Output 1

```
IPython console
Console 4/A X
In [1]: runfile('C:/Users/Naman/.spyder-py3/
untitled1.py', wdir='C:/Users/Naman/.spyder-
py3')
Enter the puzzle

Enter: 1

Enter: 2

Enter: 3

Enter: -1

Enter: 4

Enter: 6

Enter: 7

Enter: 5

Enter: 8
1  2  3
    4  6
7  5  8

g(n) is: 0 , h(n) = 3 , F(n): 3 And Moved: _
1  2  3
4      6
7  5  8

g(n) is: 1 , h(n) = 3 , F(n): 4 And Moved: R
1  2  3
4  5  6
7      8

g(n) is: 2 , h(n) = 2 , F(n): 4 And Moved: D
```



```
g(n) is: 1 , h(n) = 3 , F(n): 4 And Moved: R  
1 2 3
```

```
4 5 6
```

```
7 8
```

```
g(n) is: 2 , h(n) = 2 , F(n): 4 And Moved: D  
1 2 3
```

```
4 5 6
```

```
7 8
```

```
g(n) is: 3 , h(n) = 0 , F(n): 3 And Moved: R  
Successful
```

```
In [2]: |
```

## Output 2

```
IPython console
Console 4/A X
In [2]: runfile('C:/Users/Naman/.spyder-py3/
untitled1.py', wdir='C:/Users/Naman/.spyder-
py3')
Enter the puzzle

Enter: -1

Enter: 1

Enter: 3

Enter: 4

Enter: 2

Enter: 5

Enter: 7

Enter: 8

Enter: 6
    1  3

4  2  5

7  8  6

g(n) is: 0 , h(n) = 4 , F(n): 4 And Moved: _
1      3

4  2  5

7  8  6

g(n) is: 1 , h(n) = 4 , F(n): 5 And Moved: R
1  2  3

4      5

7  8  6

g(n) is: 2 , h(n) = 3 , F(n): 5 And Moved: D
```



```
g(n) is: 1 , h(n) = 4 , F(n): 5 And Moved: R  
1 2 3
```

```
4 5
```

```
7 8 6
```

```
g(n) is: 2 , h(n) = 3 , F(n): 5 And Moved: D  
1 2 3
```

```
4 5
```

```
7 8 6
```

```
g(n) is: 3 , h(n) = 2 , F(n): 5 And Moved: R  
1 2 3
```

```
4 5 6
```

```
7 8
```

```
g(n) is: 4 , h(n) = 0 , F(n): 4 And Moved: D  
Successful
```

```
In [3]: |
```