

Open ▾



best_score.txt
~/Desktop/HW-8

Save



0

Initial Best score file

Plain Text ▾

Tab Width: 8 ▾

Ln 1, Col 1 ▾

INS

```
-----WARNING-----
Setting stack size to 64000 bytes...
-----

Welcome to the 8-Puzzle Game!
Please select an option:
1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit
> 1
1 4 3
8 7 2
_ 5 6
Enter your move (number-direction, e.g., 2-R): 8-D
1 4 3
_ 7 2
8 5 6
Enter your move (number-direction, e.g., 2-R): 7-L
1 4 3
7 _ 2
8 5 6
Enter your move (number-direction, e.g., 2-R): 2-L
1 4 3
7 2 _
8 5 6
Enter your move (number-direction, e.g., 2-R): 3-d
1 4 _
7 2 3
8 5 6
```

Enter your move (number-direction, e.g., 2-R): 4-R

1 _ 4

7 2 3

8 5 6

Enter your move (number-direction, e.g., 2-R): 2-U

1 2 4

7 _ 3

8 5 6

Enter your move (number-direction, e.g., 2-R): 5-U

1 2 4

7 5 3

8 _ 6

Enter your move (number-direction, e.g., 2-R): 8-R

1 2 4

7 5 3

_ 8 6

Enter your move (number-direction, e.g., 2-R): 7-D

1 2 4

_ 5 3

7 8 6

Enter your move (number-direction, e.g., 2-R): 1-D

_ 2 4

1 5 3

7 8 6

Enter your move (number-direction, e.g., 2-R): 2-L

```
2 _ 4
1 5 3
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 4-L

```
2 4 _
1 5 3
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 3-U

```
2 4 3
1 5 _
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 5-R

```
2 4 3
1 _ 5
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 4-D

```
2 _ 3
1 4 5
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 2-R

```
_ 2 3
1 4 5
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 1-U

```
1 2 3
_ 4 5
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 4-L

```
1 2 3
4 _ 5
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 5-L

```
1 2 3
4 5 _
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 6-D

6-D is an illegal move!!! Make legal move!!!

```
1 2 3
4 5 _
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 6-RR

Please enter the move in correct format!

```
1 2 3
4 5 _
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 0-R

0-R is an illegal move!!! Make legal move!!!

```
1 2 3
4 5 _
7 8 6
```

Enter your move (number-direction, e.g., 2-R): 6-U

1 2 3

4 5 6

7 8 _

Congratulations! You have finished the game.

Total number of moves: 20

Your Score: 800

Welcome to the 8-Puzzle Game!

Please select an option:

1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit

> 3

The best score is 800...

Welcome to the 8-Puzzle Game!

Please select an option:

1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit

> 2



Open ▾



state.txt
~/Desktop/HW-8

Save



Move #0

1 4 3

8 7 2

_ 5 6

Move #1

1 4 3

_ 7 2

8 5 6

Move #2

1 4 3

7 _ 2

8 5 6

Move #3

1 4 3

7 2 _

8 5 6

Move #4

1 4 _

7 2 3

8 5 6

Move #5

1 _ 4

7 2 3

8 5 6

Move #6

1 2 4

7 _ 3

8 5 6

Move #7

State file where moves
are recorded

1 2 4
7 5 3
8 _ 6
Move #8
1 2 4
7 5 3
_ 8 6
Move #9
1 2 4
_ 5 3
7 8 6
Move #10
_ 2 4
1 5 3
7 8 6
Move #11
2 _ 4
1 5 3
7 8 6
Move #12
2 4 _
1 5 3
7 8 6
Move #13
2 4 3
1 5 _
7 8 6
Move #14
2 4 3

```
1  _ 5
7 8 6
Move #15
2  _ 3
1 4 5
7 8 6
Move #16
_ 2 3
1 4 5
7 8 6
Move #17
1 2 3
_ 4 5
7 8 6
Move #18
1 2 3
4  _ 5
7 8 6
Move #19
1 2 3
4 5  _
7 8 6
Move #20
1 2 3
4 5 6
7 8  _
```

Computer Move: 3-R

1 5 2

4 _ 3

7 8 6

Computer Move: 5-D

1 _ 2

4 5 3

7 8 6

Computer Move: 2-L

1 2 _

4 5 3

7 8 6

Computer Move: 3-U

1 2 3

4 5 _

7 8 6

Computer Move: 6-U

1 2 3

4 5 6

7 8 _

Total number of computer moves: 113377

Welcome to the 8-Puzzle Game!

Please select an option:

1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit

> 2

Move #113371

1 5

4 3 2

7 8 6

Move #113372

1 5 2

4 3

7 8 6

Move #113373

1 5 2

4 3

7 8 6

Move #113374

1 2

4 5 3

7 8 6

Move #113375

1 2

4 5 3

7 8 6

Move #113376

1 2 3

4 5

7 8 6

Move #113377

1 2 3

4 5 6

7 8

Play as PC mode records
in state.txt file

Computer Move: 5-U

1 2 3

4 8 5

7 6 _

Computer Move: 6-R

1 2 3

4 8 5

7 _ 6

Computer Move: 8-D

1 2 3

4 _ 5

7 8 6

Computer Move: 5-L

1 2 3

4 5 _

7 8 6

Computer Move: 6-U

1 2 3

4 5 6

7 8 _

Total number of computer moves: 316745

Welcome to the 8-Puzzle Game!

Please select an option:

1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit

> 5

Invalid Selection!

Welcome to the 8-Puzzle Game!

Please select an option:

1. Play game as a user
2. Finish the game with PC
3. Show the best score
4. Exit

> 4

Program terminated...

osmancan@osmancan-VirtualBox:~/Desktop/HW-8\$

800|

Updated best_score.txt
file after player score