

msu@msu: ~/Desktop/hw8

File Edit View Search Terminal Help

msu@msu:~\$ cd Desktop

msu@msu:~/Desktop\$ cd hw8

msu@msu:~/Desktop/hw8\$ ls -l

total 24

-rw-rw-r-- 1 msu msu 16607 May 23 21:59 main.c

-rw-rw-r-- 1 msu msu 533 May 23 22:00 makefile

msu@msu:~/Desktop/hw8\$ make compile

Compiling...

msu@msu:~/Desktop/hw8\$ make run

Running the tests....

=====

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

5 1 8

2 4 7

_ 3 6

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

Illegal move. Try again.

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

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

Illegal move. Try again.

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

5 1 8

_ 4 7

2 3 6

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

5 1 8

4 _ 7

2 3 6

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

5 1 8

4 3 7

2 _ 6

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

5 1 8

4 3 7

_ 2 6

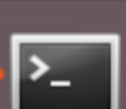
Enter your move (number-direction, e.g., 2-R): 4-D

5 1 8

_ 3 7

4 2 6

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



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

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

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

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

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

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

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

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

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

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

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

```
1 3 8
5 2
```



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

1 3 8

5 2 _

4 6 7

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

1 3 _

5 2 8

4 6 7

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

1 _ 3

5 2 8

4 6 7

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

1 2 3

5 _ 8

4 6 7

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

1 2 3

5 6 8

4 _ 7

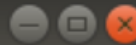
Enter your move (number-direction, e.g., 2-R): 7-L

1 2 3

5 6 8



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

1 2 3

5 6 8

4 7 _

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

1 2 3

5 6 _

4 7 8

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

1 2 3

5 _ 6

4 7 8

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

1 2 3

_ 5 6

4 7 8

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

1 2 3

4 5 6

_ 7 8

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

1 2 3

4 5 6

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4 7 8

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

1 2 3

4 5 6

_ 7 8

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

1 2 3

4 5 6

7 _ 8

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

1 2 3

4 5 6

7 8 _

Congratulations! You completed the puzzle.

Total number of moves: 22

Your Score: 780

New best score!

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

> █

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4 5 6

7 _ 8

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

1 2 3

4 5 6

7 8 _

Congratulations! You completed the puzzle.

Total number of moves: 22

Your Score: 780

New best score!

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

Best score: 780

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 ▾

best_score.txt
~/Desktop/hw8

Save



780



Open



game.txt

~/Desktop/hw8

Save



5 1 8
_ 4 7
2 3 6

5 1 8
4 _ 7
2 3 6

5 1 8
4 3 7
2 _ 6


5 1 8
4 3 7
_ 2 6

5 1 8
_ 3 7
4 2 6


_ 1 8
5 3 7
4 2 6

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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 _

Computer finished the game.

Total number of computer moves: 21138


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...

=====
Completed tests....

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Open ▾



auto_finish.txt

~/Desktop/hw8

Save



5 8 3

4 1 6

_ 7 2

5 8 3

_ 1 6

4 7 2

_ 8 3

5 1 6

4 7 2

8 _ 3

5 1 6

4 7 2

8 1 3

5 _ 6

4 7 2

8 1 3

_ 5 6

4 7 2