

Comp248/Fall 2019

Assignment 4/ Sample run

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* - - - - - *
*  WELCOME to Nancy's 3D Warrior Game!  *
*                                     *
* * * * *
* - - - - - *
```

HEADER

The default game board has 3 levels and each level has a 4x4 board.
You can use this default board size or change the size
0 to use the default board size

DETERMINE GAME BOARD size.

-1 to enter your own size

==> What do you want to do? 1

Sorry but 1 is not a legal choice.

-1

How many levels would you like? (minimum size 3, max 10) 2

Sorry but 2 is not a legal choice.

3

What size to you want the nxn boards on each level to be?

Minimum size is 4x4, max is 10x10.

==> Enter the value of n: 11

Sorry but 11 is not a legal choice.

4

make sure input is between 3 & 10

Your 3D board has been set up and looks like this:

Level 0

```
-----
0      0      0      -3
0      0      -3     0
0      -3     0      -2
-3     0      -2     -3
```

Level 1

```
-----
0      0      -3     0
0      -3     0      -2
-3     0      -2     -3
0      -2     -3     2
```

Level 2

```
-----
0      -3     0      -2
-3     0      -2     -3
0      -2     -3     2
-2     -3     2      0
```

ASK PLAYER'S NAMES

What is player 0's name (one word only): Godzilla

What is player 1's name (one word only): Zeus

The game has started Zeus goes first
=====

START OF GAME

It is Zeus's turn

Zeus you rolled Die 1: 4 Die2: 3

Your energy is adjusted by 0 for landing at (1,3) at level 0

It is Godzilla's turn

Godzilla you rolled Die 1: 1 Die2: 1

Congratulations you rolled double 1. Your energy went up by 2 units

Your energy is adjusted by 0 for landing at (0,2) at level 0

STEP 6.b)

At the end of this round:

Godzilla is on level 0 at location (0,2) and has 12 units of energy.

Zeus is on level 0 at location (1,3) and has 10 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 1 Die2: 2

Your energy is adjusted by 0 for landing at (2,2) at level 0

It is Godzilla's turn

Godzilla you rolled Die 1: 5 Die2: 5

Congratulations you rolled double 5. Your energy went up by 2 units

Your energy is adjusted by -3 for landing at (3,0) at level 0

STEP 6.b)

At the end of this round:

Godzilla is on level 0 at location (3,0) and has 11 units of energy.

Zeus is on level 0 at location (2,2) and has 10 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 3 Die2: 3

Congratulations you rolled double 3. Your energy went up by 2 units

Your energy is adjusted by 0 for landing at (0,0) at level 1

It is Godzilla's turn

Godzilla you rolled Die 1: 2 Die2: 2

Congratulations you rolled double 2. Your energy went up by 2 units

Player Zeus is at your new location

What do you want to do?

0 - Challenge and risk losing 50% of your energy units if you loose
or move to new location and get 50% of other players energy units

1 - to move down one level or move to (0,0) if at level 0 and lose 2 energy

units

4

Sorry but 4 is not a legal choice.

0 = challenge

Bravo!! You won the challenge.

Your energy is adjusted by 0 for landing at (0,0) at level 1

At the end of this round:

Godzilla is on level 1 at location (0,0) and has 19 units of energy.

Zeus is on level 0 at location (3,0) and has 6 units of energy

Any key to continue to next round ...b

+2 =
(so 12)

11 + 2 = 13

STEP 6.c)

Godzilla won challenge

had 13 +
1/2 of Zeus
units (12/2)

12/2 → lost 1/2
his units

It is Zeus's turn

Zeus you rolled Die 1: 1 Die2: 1

Congratulations you rolled double 1. Your energy went up by 2 units

Your energy is adjusted by -2 for landing at (3,2) at level 0

It is Godzilla's turn

Godzilla you rolled Die 1: 5 Die2: 1

Your energy is adjusted by 0 for landing at (1,2) at level 1

At the end of this round:

Godzilla is on level 1 at location (1,2) and has 19 units of energy.

Zeus is on level 0 at location (3,2) and has 6 units of energy.

Any key to continue to next round ...b

It is Zeus's turn

Zeus you rolled Die 1: 6 Die2: 2

Player Godzilla is at your new location

What do you want to do?

0 - Challenge and risk losing 50% of your energy units if you loose

or move to new location and get 50% of other players energy units

1 - to move down one level or move to (0,0) if at level 0 and lose 2 energy

units

1

Your energy is adjusted by 0 for landing at (1,2) at level 1

It is Godzilla's turn

Godzilla you rolled Die 1: 5 Die2: 1

Your energy is adjusted by 0 for landing at (3,0) at level 1

At the end of this round:

Godzilla is on level 1 at location (3,0) and has 19 units of energy.

Zeus is on level 0 at location (0,0) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 6 Die2: 4

Your energy is adjusted by 0 for landing at (2,2) at level 0

It is Godzilla's turn

Godzilla you rolled Die 1: 1 Die2: 1

Congratulations you rolled double 1. Your energy went up by 2 units

Your energy is adjusted by -3 for landing at (3,2) at level 1

At the end of this round:

Godzilla is on level 1 at location (3,2) and has 18 units of energy.

Zeus is on level 0 at location (2,2) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 6 Die2: 1

Your energy is adjusted by 0 for landing at (0,1) at level 1

It is Godzilla's turn

Godzilla you rolled Die 1: 4 Die2: 3

Your energy is adjusted by 0 for landing at (1,1) at level 2

At the end of this round:

Godzilla is on level 2 at location (1,1) and has 18 units of energy.

Zeus is on level 1 at location (0,1) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 3 Die2: 3

Congratulations you rolled double 3. Your energy went up by 2 units

Your energy is adjusted by -2 for landing at (1,3) at level 1

It is Godzilla's turn

Godzilla you rolled Die 1: 3 Die2: 6

Your energy is adjusted by 2 for landing at (3,2) at level 2

At the end of this round:

Godzilla is on level 2 at location (3,2) and has 20 units of energy.

Zeus is on level 1 at location (1,3) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 3 Die2: 2

Your energy is adjusted by 0 for landing at (3,0) at level 1

It is Godzilla's turn

Godzilla you rolled Die 1: 4 Die2: 1

!!! Sorry you need to stay where you are - that throw takes you off the grid and you loose 2 units of energy.

At the end of this round:

Godzilla is on level 2 at location (3,2) and has 18 units of energy.

Zeus is on level 1 at location (3,0) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 5 Die2: 4

Your energy is adjusted by 0 for landing at (1,1) at level 2

It is Godzilla's turn

Godzilla you rolled Die 1: 4 Die2: 4

Congratulations you rolled double 4. Your energy went up by 2 units

!!! Sorry you need to stay where you are - that throw takes you off the grid and you loose 2 units of energy.

At the end of this round:

Godzilla is on level 2 at location (3,2) and has 18 units of energy.

Zeus is on level 2 at location (1,1) and has 4 units of energy.

Any key to continue to next round ...g

It is Zeus's turn

Zeus you rolled Die 1: 4 Die2: 6

Your energy is adjusted by 0 for landing at (3,3) at level 2

At the end of this round:

Godzilla is on level 2 at location (3,2) and has 18 units of energy.

Zeus is on level 2 at location (3,3) and has 4 units of energy.

The winner is player Zeus. Well done!!!