and respond with "y" followed by Enter at the prompt to remove the ZIP file you downloaded.

Now type

```
cd mario-more
```

followed by Enter to move yourself into (i.e., open) that directory. Your prompt should now resemble the below.

```
mario-more/ $
```

If all was successful, you should execute

```
ls
```

and see a file named mario.c. Executing code mario.c should open the file where you will type your code for this problem set. If not, retrace your steps and see if you can determine where you went wrong!

World 1-1

Toward the beginning of World 1-1 in Nintendo's Super Mario Brothers, Mario must hop over adjacent pyramids of blocks, per the below.



Let's recreate those pyramids in C, albeit in text, using hashes (#) for bricks, a la the below. Each hash is a bit taller than it is wide, so the pyramids themselves are also be taller than they are wide.

```
# #
## ##
### ###
#### ####
```

The program we'll write will be called mario. And let's allow the user to decide just how tall the pyramids should be by first prompting them for a positive integer between, say, 1 and 8, inclusive.

Here's how the program might work if the user inputs 8 when prompted:

```
$ ./mario
Height: 8
# #
## ##
### ###
###
####
```

Here's how the program might work if the user inputs 4 when prompted:

```
$ ./mario
Height: 4
    # #
    ## ##
### ###
#### ####
```

Here's how the program might work if the user inputs 2 when prompted:

```
$ ./mario
Height: 2
# #
## ##
```

And here's how the program might work if the user inputs 1 when prompted:

```
$ ./mario
Height: 1
# #
```

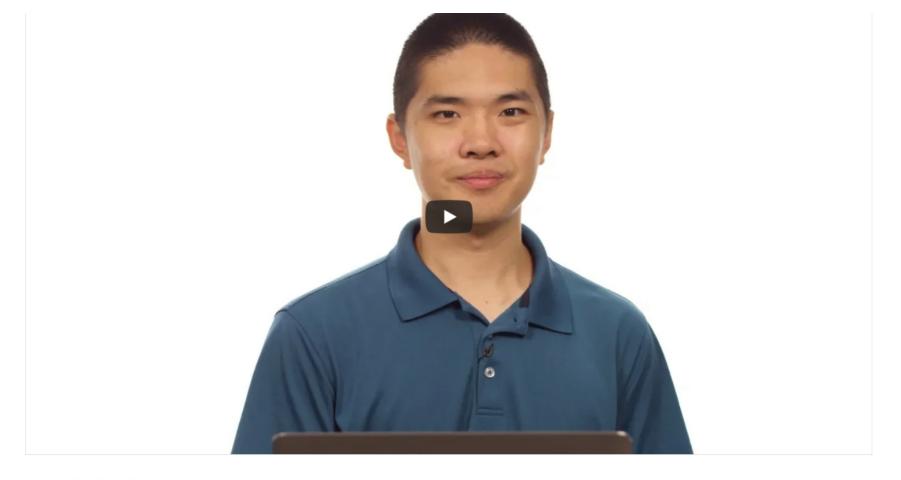
If the user doesn't, in fact, input a positive integer between 1 and 8, inclusive, when prompted, the program should re-prompt the user until they cooperate:

```
$ ./mario
Height: -1
Height: 0
Height: 42
Height: 50
Height: 4
    # #
    ## ###
### ###
#### ####
```

Notice that width of the "gap" between adjacent pyramids is equal to the width of two hashes, irrespective of the pyramids' heights.

Open your mario.c file to implement this problem as described!

Walkthrough



How to Test Your Code

Does your code work as prescribed when you input

- -1 (or other negative numbers)?
- a 2
- 1 through 8?
- 9 or other positive numbers?
- letters or words?
- no input at all, when you only hit Enter?

You can also execute the below to evaluate the correctness of your code using check50. But be sure to compile and test it yourself as well!

check50 cs50/problems/2022/x/mario/more

Execute the below to evaluate the style of your code using style50.

style50 mario.c

How to Submit

In your terminal, execute the below to submit your work.

submit50 cs50/problems/2022/x/mario/more

How to Submit

In your terminal, execute the below to submit your work.

submit50 cs50/problems/2022/x/mario/more