3. 3D Printing Skyscrapers

by CodeChum Admin

It’s been an hour since the start of the meeting. The blank expression on everyone’s faces make it clear that none of them believe in what your boss was presenting. How could they though? Would anyone believe in a startup that pitches 3D printed skyscrapers? “I don’t think so”, you say in your head.

“And now, I hand you over to our head of Engineering to present how our product works.”

“That’s my cue”, you nonchalantly utter.

“Our state of the art algorithm allows you to simply input the width and height of your skyscraper, and using a specially trained machine learning model, it would automatically generate a “star” (*) image of the entire structure. Specifically, the foundation of the building would always be width + 2 stars wide, while the top of the tower contains 1 star if the width is an odd number, or 2 stars if the width is an even number. Are you ready to see how it works?”

Assumptions:
1.) Apart from the base and the top level of the tower, every level starts and ends with a white space(" ").

Input

1. Width of the Skyscraper

Sample

```
5
```


Output

The first line will contain a message prompt to width of the skyscraper.
The second line will contain a message prompt to height of the skyscraper.
The succeeding lines will contain the skyscraper pattern.

```
Enter width of skyscraper: 5
Enter height of skyscraper: 10
  ..*
 .*****
 .*****
 .*****
 .*****
 .*****
 .*****
 .*****
 .*****
*******
```

Score: 4/4