

## Lab 2.3.6 Postcard from Gizah

### Objectives

Improve the student's skills in:

- using nested **for** loops;
- building properly formatted output.

### Scenario

It seems that drawing rectangles is a piece of cake for you. Okay, we're aware that we should put the word "drawing" in quotes as it's as far from actual drawing as walking is from flying. But we're sure that the time when you'll be able to create real computer graphics is near – the beginnings are always difficult.

We'd like to see how well you can use the **for** loop, so now we want you to draw a "Postcard from Gizah" i.e. create a view of a famous location: a few famous pyramids.

Your program should ask the user about a single pyramid's height ( $h$ ,  $2 < h < 9$ ) and then create a picture like the one below.

Don't cheat! Don't output hard-coded strings containing a rigid number of asterisks and spaces – all elements must be created dynamically!

### Example input

3

### Example output

```

      *
     * *
    * * *
   *****
  
```

### Example input

8

### Example output

```

          *
        * *
       * *
      * *
     * *
    * *
   * *
  * *
 * *
* *
*****

```