Lab: Nested loop problems

1. Write a function called `rectangle` that takes two parameters, `width` and `height`, and prints a rectangle of numbers (asterisks) of that given width and height. *(This function doesn't return anything, it just prints the rectangle.)*

   Example: `rectangle(5, 3)` prints:

   ```
   12345
   12345
   12345
   ```

   You can use the syntax `print(whatever, end='')` ***to not go to the next line at the end of the print statement.***

2. Write a function called `rectangle2` that that is very similar to rectangle, but prints like this:

   Example: `rectangle2(5, 3)` prints:

   ```
   11111
   22222
   33333
   ```

3. Write a function called `lower_left` that takes one parameter called `size`. This function prints a right triangle using stars where the base and height are both size stars long/high. The 90-degree vertex of the triangle is at the lower left.

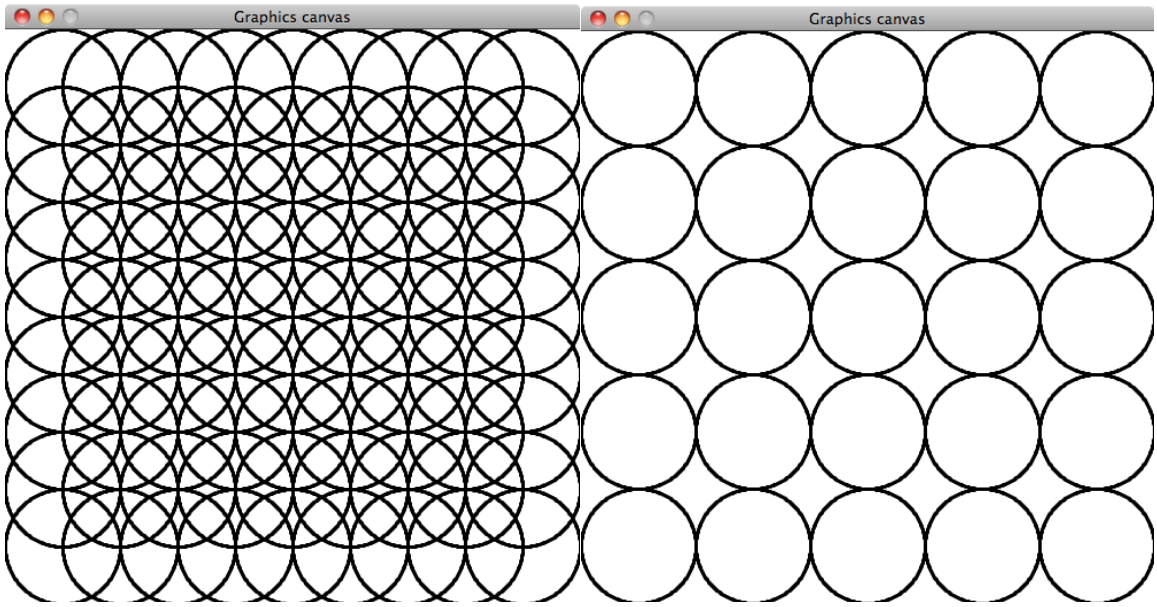
   Example: `lower_left(5)` prints:

   ```
   1
   12
   123
   1234
   12345
   ```

4. Write functions `upper_left`, `lower_right`, and `upper_right` that each also take a parameter called `size` and print the other three types of right triangle, respectively.

   ```
   upper_left(5)        lower_right(5)        upper_right(5)
   12345                    ....1                 12345
   1234                     ...12                 .1234
   123                      ..123                 ..123
   12                       .1234                 ...12
   1                        12345                 ....1
   ```

5. Write programs that draw the following diagrams. Each canvas is a 500 by 500 square. All the circles are the same size in both pictures. (on back)


Graphics canvas
Graphics canvas