Javascript Lab 7

1. Write a nested `for`-loop to produce output similar to the following. The user should be able to specify the number of rows in the output "triangle":

    ```
    1
    22
    333
    4444
    55555
    666666
    7777777
    ```

2. Used a nested for loop to generate a multiplication table for all values up to 10 × 10.

3. In the following write code to produce a single line and then wrap that code in a loop to produce multiple lines
    a) Write nested `for`-loops that produce the following output:

        ```
        00011122233344455566677788899
        00011122233344455566677788899
        00011122233344455566677788899
        ```

    b) Modify your code from the previous problem to produce the following output:

        ```
        999998888877777666665555544444333332222211111100000
        999998888877777666665555544444333332222211111100000
        999998888877777666665555544444333332222211111100000
        999998888877777666665555544444333332222211111100000
        999998888877777666665555544444333332222211111100000
        ```

    c) Modify your code from the previous problem to produce the following output:

        ```
        9999999999888888887777777666666555554444333221
        9999999999888888887777777666666555554444333221
        9999999999888888887777777666666555554444333221
        9999999999888888887777777666666555554444333221
        ```

4.   (Harder) Write a program that produces the following output.   The number of rows in the figure should be input by the user. Use nested for loops to capture the structure of the figure. (Don't worry about how the output looks as it depends in the fonts used – the number of symbols should be as in the figure).

```
!!!!!!!!!!!!!!!!!!!!!!!!
\\!!!!!!!!!!!!!!!!!!!!//
\\\\!!!!!!!!!!!!!!!!////
\\\\\\!!!!!!!!!!!!//////
\\\\\\\\!!!!!!!!////////
\\\\\\\\\\!!!!//////////
```