Assignment 5

1. Print a solid square pattern

   Input: n = 4

   Output:

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

2. Print a right-angled triangle pattern

   Input: n = 5

   Output:

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

3. Print an inverted right-angled triangle pattern

   Input: n = 5

   Output:

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

4. pyramid pattern

   Input: n = 5

   Output:

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

5. Print an inverted pyramid pattern

   Input: n = 5

   Output:

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

6. Print a half pyramid using numbers

   Input: n = 5

   Output:

```
1
12
123
1234
12345
```

7. Print a Floyd's triangle pattern

Input: n = 4

Output:

```
1
2 3
4 5 6
7 8 9 10
```

8. Print a pattern of stars in diamond shape

Input: n = 4

Output:

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

9. Print a hollow square pattern

Input: n = 4

Output:

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

10. Print a hollow square with diagonal pattern

Input: n = 5

Output:

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