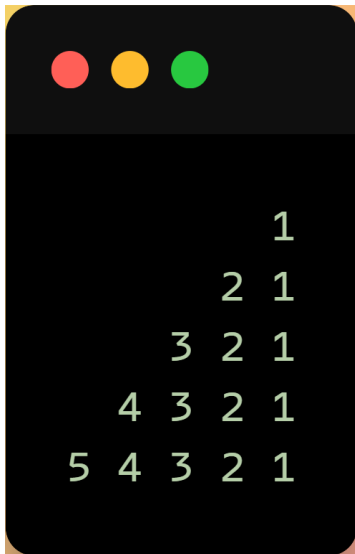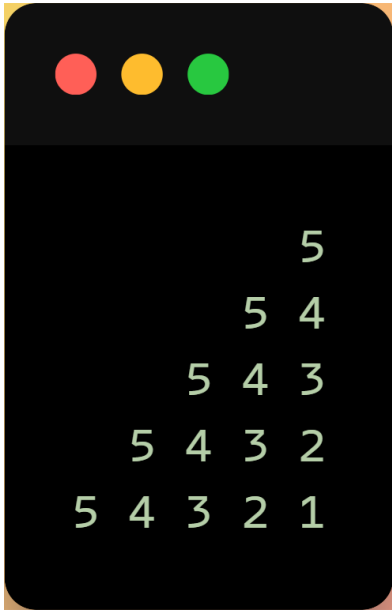# WEEK 3 - ASSIGNMENT 2 HARD PATTERNS

NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

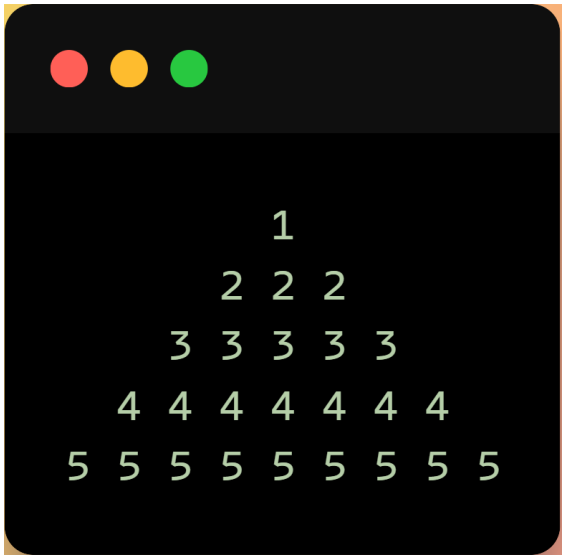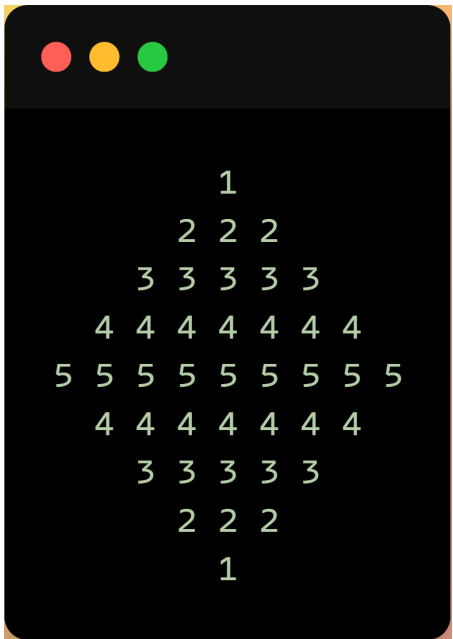**Solve each pattern using function with n as number of lines.**

Q1.

```
        1
      2 1
    3 2 1
  4 3 2 1
5 4 3 2 1
```

Q2.

```
        5
      5 4
    5 4 3
  5 4 3 2
5 4 3 2 1
```

Q3.

```
        1
      2 2 2
    3 3 3 3 3
  4 4 4 4 4 4 4
5 5 5 5 5 5 5 5 5
```

Q4.

```
        1
      2 2 2
    3 3 3 3 3
  4 4 4 4 4 4 4
5 5 5 5 5 5 5 5 5
  4 4 4 4 4 4 4
    3 3 3 3 3
      2 2 2
        1
```

Q5.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

Q6.

```
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5
2 3 4 5
3 4 5
4 5
5
```

Q7.

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