- **EASY**
- **Max Score: 20 Points**

Pattern Using Recursion

Take input of N from the user and write a program to print the following pattern (N=3) :

3 2 1 1 1 2 1 1 1 2 3 2 1 1 1 2 1 1 1 2 3

Input Format

Input consists of integer N.

Output Format

Print the pattern for the entered value of N.

Example 1

Input

1

Output:

1 1 1

Example 2

Input

2

Output:

```
2 1 1 1 2 1 1 1 2
```

Constraints

1<=N<=10

My code

```java
// in java
import java.util.Scanner;

public class Main {

    static void printPattern(int n) {
            if(n==0)
                    return;
            System.out.print(n+" ");
            printPattern(n-1);
            System.out.print(n+" ");
            printPattern(n-1);
            System.out.print(n+" ");

    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
```

```java
        int n = sc.nextInt();
        printPattern(n);
    }
}
```