- ● **EASY**
- ● **Max Score: 30 Points**

Recursively Print Numbers In Reverse

Write a recursive program to print all numbers starting from N till 1. Print numbers in descending order from N till you reach 1.

Input Format

Input consists of a single integer N

Output Format

Print the numbers between N and 1 in descending order, each separated by a single space.

Example 1

Input

5

Output

5 4 3 2 1

Example 2

Input

10

Output

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

Constraints

1 <= N <= 1000

- **Recursion**

My code

```java
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        for(int i=n;i>0;i--)
            System.out.print(i+" ");
    }
}
```