**Print 1 to N Using Recursion**

Given a number **N**, the task is to print the numbers from **N to 1**.

**Examples:**

***Input:****N = 10*  
***Output:****1 2 3 4 5 6 7 8 9 10*  
***Input:****N = 7*  
***Output:****1 2 3 4 5 6 7*

**Method-1:**

Java

import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

class GFG

{

// Prints numbers from 1 to n

static void printNos(int n)

{

if(n > 0)

{

printNos(n - 1);

System.out.print(n + " ");

}

return;

}

// Driver Code

public static void main(String[] args)

{

printNos(10);

}

}

**Output**

1 2 3 4 5 6 7 8 9 10

***Time Complexity:****O(n)*

***Auxiliary Space:****O(n)*

**Method 2:**

Java

/\*package whatever //do not write package name here \*/

import java.io.\*;

class GFG {

public static void main(String[] args)

{

printNos(1, 10);

}

public static void printNos(int initial, int last)

{

if (initial <= last) {

System.out.print(initial + " ");

printNos(initial + 1, last);

}

}

}

**Output**

1 2 3 4 5 6 7 8 9 10

**Time Complexity :** O(n)

***Auxiliary Space:****O(n)*