

# Permutations

All submissions Best submissions	
✓ Points: 100 (partial) ② Time limit: 1.2s  ■ Memory limit: 64M  ✓ Author: doncho	
Tags Brute Force, Combinatorics, Recursion Difficulty Intermediate	
By given N, generate all permutations with numbers between 1 and N	
Input	
<ul> <li>Read from the standard input</li> <li>On the single line of the input you will receive the number N</li> </ul>	
Output	
<ul> <li>Print to the standard output</li> <li>Print all the permutations of the numbers, sorted alphabetically</li> </ul>	
Sample tests	
Input	
	Сору
3	Сору
Output	
	Сору
1 2 3 1 3 2	СОРУ
2 1 3 2 3 1	
3 1 2	
3 2 1	
Input	
4	Сору

### Output

Сору

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

#### Input

```
10
```

#### Output

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

## Comments

There are no comments at the moment.

Telerik Academy | Powered by DMOJ