

The function is similar to `itertools.permutations` of python.

The program takes an array of integers (separated by space) as input.

Also it takes length of the permutations

The program makes permutations of arrays of size length.

You can generate permutations by clicking on the permutations button or by pressing enter in any input box

The screenshot shows a web application titled "Permutations of Array". It has two input fields: "Array :" with the value "1 2 3 4" and "Length:" with the value "3". Below the inputs are three buttons: "Permutations" (green), "Clear" (blue), and "Back" (red). Underneath the buttons is a "Copy Text" link and a large light blue text area containing a list of 24 permutations of the array [1, 2, 3, 4] taken 3 at a time. The permutations are listed in lexicographic order.

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

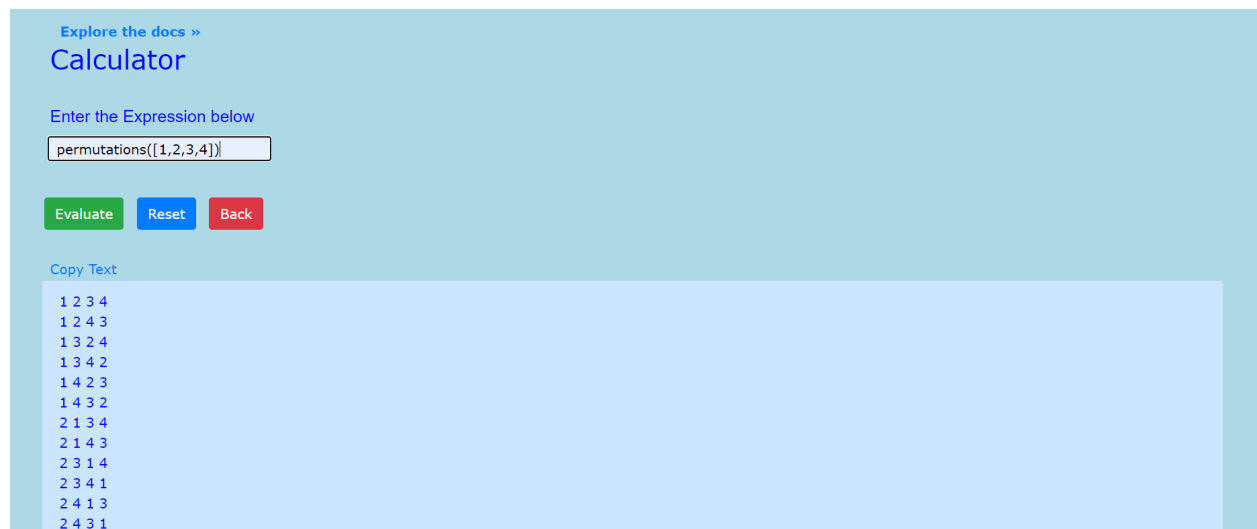
All permutations of Array of length 3

The screenshot shows the same web application as above, but with the "Array :" input field containing "1 2 3" and the "Length:" input field containing "2". The "Permutations" button is highlighted in green. The "Copy Text" link is present, and the light blue text area displays a list of 6 permutations of the array [1, 2, 3] taken 2 at a time, in lexicographic order.

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

All permutations of Array of length 2

Alternatively you can also generate permutations of the array by going to the calculator and typing `permutations(arr,len)`



Read more at

<https://www.hackerrank.com/challenges/itertools-permutations/problem>