

## Combinations

The function is similar to `itertools.combinations` of python. It generates all possible combinations of length `k` of the array

<https://www.geeksforgeeks.org/itertools-combinations-module-python-print-possible-combinations/>

## Combinations with replacement

This function is similar to the `itertools.combinations_with_replacement` of python. It generates all possible combinations of length `k` of the array where each element of the array may appear any number of times.

[https://www.geeksforgeeks.org/python-itertools-combinations\\_with\\_replacement/](https://www.geeksforgeeks.org/python-itertools-combinations_with_replacement/)

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

Also it takes length of the combinations

The program makes combinations of arrays of size length.

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



Combinations of Array

Array :

Length:

[Copy Text](#)

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

All combinations of Array of length 3

### Combinations of Array

Array :

Length:

[Copy Text](#)

```
1 2
1 3
1 4
1 5
1 6
1 7
1 8
1 9
1 10
1 11
1 12
2 3
2 4
2 5
2 6
2 7
2 8
```

All permutations of Array of length 2

[Explore the docs »](#)

### Combinations of Array

Array :

Length:

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```
0 2 4
0 2 6
0 2 8
0 4 6
0 4 8
0 6 8
2 4 6
2 4 8
2 6 8
4 6 8
```

You can also pass range function in the array

[Explore the docs »](#)

## Combinations of Array

Array :

Length:

[Combinations](#) [Combinations with replacement](#) [Clear](#) [Back](#)

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

combinations\_with\_replacement

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

[Explore the docs »](#)

## Calculator

Enter the Expression below

[Evaluate](#) [Reset](#) [Back](#)

[Copy Text](#)

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

[Explore the docs »](#)

# Calculator

Enter the Expression below

```
combinations_with_replacement(range(3))
```

Evaluate

Reset

Back

Copy Text

```
0 0 0
0 0 1
0 0 2
0 1 1
0 1 2
0 2 2
1 1 1
1 1 2
1 2 2
2 2 2
```

Read more at

<https://www.geeksforgeeks.org/itertools-combinations-module-python-print-possible-combinations/>