



Practice > Python > Numpy > Arrays

Arrays ☆

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The *NumPy* (Numeric Python) package helps us manipulate large arrays and matrices of numeric data.

To use the *NumPy* module, we need to import it using:

```
import numpy
```

Arrays

A *NumPy* array is a grid of values. They are similar to lists, except that every element of an array must be the same type.

```
import numpy
```

```
a = numpy.array([1,2,3,4,5])
print a[1]          #2
```

```
b = numpy.array([1,2,3,4,5],float)
print b[1]          #2.0
```

In the above example, `numpy.array()` is used to convert a list into a *NumPy* array. The second argument (float) can be used to set the type of array elements.

Task

You are given a space separated list of numbers.

Your task is to print a reversed *NumPy* array with the element type `float`.

Input Format

A single line of input containing space separated numbers.

Output Format

Print the reverse *NumPy* array with type float.

Sample Input

```
1 2 3 4 -8 -10
```

Sample Output

Author

DOSHI

Difficulty

Easy

Max Score

20

Submitted By

18229

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```
[-10. -8.  4.  3.  2.  1.]
```

Current Buffer (saved locally, editable)



Python 3



```
1 import numpy
2 def arrays(arr):
3     arr=arr[-1::-1]
4     na=numpy.array(arr,float)
5     return na
6
6 arr = input().strip().split(' ')
7 result = arrays(arr)
8 print(result)
```

Line: 5 Col: 14

Upload Code as File

☐ Test against custom input

Run Code

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85/115 challenges solved.

74%

Congratulations

You solved this challenge. Would you like to challenge your friends?

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Testcase 0

Testcase 1

Input (stdin)

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Expected Output

[Download](#)**1 2 3 4 -8 -10****[-10. -8. 4. 3. 2.
1.]**

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