Arrays

14 April 2025 12:14 AM

Arrays

HackerRank

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

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

1/1


Change Theme
Language
Python 3
import numpy
def arrays(arr):
# complete this function
# use numpy.array
arr=numpy.array(arr)
return numpy.float64(arr)[::-1]
arr = input().strip().split(' ')