

Problem Domain  
Create a function that takes an input array. Return an array with elements reversed.

Input  
An array of numbers.

Output  
The input array reversed.

Edge Cases

- Different numeric values
- One numeric value
- null value (carriage return)

Visual  
[1, 2, 3, 4, 5] ← input  
[5, 4, 3, 2, 1] ← output

Big O  
time  $\leftarrow O(N)$   
space  $\leftarrow O(1)$

Algorithm  
. Create a method that accepts an array of numeric values as input.  
. Iterate through each element in the array starting at the end and append that element to a local array.  
. Return the reversed array.

Code

```
def reverseArray(input_array):
    temp_array = []
    length = len(input_array) - 1
    while (length >= 0):
        temp_array.append(input_array[length])
        length = length - 1
    return temp_array
```

```
print('Enter an array of numbers: ')
input_array = input().split()
print(str(reverseArray(input_array)))
```

Verification  
Walk through code  
track the values in local array.  
Verify the Big O.  
Verify that code matches algorithm.  
Explain testing according to input and output data.