



ALL



1

2

## 1. Are you an expert on data structures?

Which of the following data structures can erase from its beginning or its end in  $O(1)$  time?

Pick **ONE** option



vector



deque



stack



segment tree

Clear Selection

Continue



ALL



2

## 2. FizzBuzz

Given a number  $n$ , for each integer  $i$  in the range from 1 to  $n$  inclusive, print one value per line as follows:

- If  $i$  is a multiple of both 3 and 5, print *FizzBuzz*.
- If  $i$  is a multiple of 3 (but not 5), print *Fizz*.
- If  $i$  is a multiple of 5 (but not 3), print *Buzz*.
- If  $i$  is not a multiple of 3 or 5, print the value of  $i$ .

### Function Description

Complete the function *fizzBuzz* in the editor below.

*fizzBuzz* has the following parameter(s):

*int n*: upper limit of values to test (inclusive)

Returns: NONE

Prints:

The function must print the appropriate response for each value  $i$  in the set  $\{1, 2, \dots, n\}$  in ascending order, each on a separate line.

### Constraints

- $0 < n < 2 \times 10^5$

#### ► Input Format for Custom Testing

#### ▼ Sample Case 0

#### Sample Input

STDIN	Function
15	→ n = 15

Language Java 17

Environment

Autocomplete Ready



```
1 > import java.io.*; ...
14
15 class Result {
16
17     /*
18      * Complete the 'fizzBuzz' function below.
19      *
20      * The function accepts INTEGER n as parameter.
21      */
22
23     public static void fizzBuzz(int n) {
24         // Write your code here
25
26     }
27
28 }
29
30 > public class Solution { ...
```

Line: 30 Col: 24

Test Results

Custom Input

Run Code

Run Tests

Submit

## ► Input Format for Custom Testing

## ▼ Sample Case 0

## Sample Input

STDIN	Function
15	→ n = 15

## Sample Output

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
```

## Explanation

The numbers 3, 6, 9, and 12 are multiples of 3 (but not 5), so print *Fizz* on those lines.

The numbers 5 and 10 are multiples of 5 (but not 3), so print *Buzz* on those lines.

The number 15 is a multiple of both 3 and 5, so print *FizzBuzz* on that line.

None of the other values is a multiple of either 3 or 5, so print the value of *i* on those lines.

Language Java 17 Environment

Autocomplete Ready



```
1 > import java.io.*;...
14
15 class Result {
16
17     /*
18      * Complete the 'fizzBuzz' function below.
19      *
20      * The function accepts INTEGER n as parameter.
21      */
22
23     public static void fizzBuzz(int n) {
24         // Write your code here
25
26     }
27
28 }
29
30 > public class Solution {...
```