Problem 412: Fizz Buzz

Problem Information

Difficulty: Easy
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Given an integer

n

, return

a string array

answer

(

1-indexed

) where

:

answer[i] == "FizzBuzz"

if

i

is divisible by

3

and

5

.

answer[i] == "Fizz"

if

i

is divisible by

3

.

answer[i] == "Buzz"

if

i

is divisible by

5

.

answer[i] == i

(as a string) if none of the above conditions are true.

Example 1:

Input:

n = 3

Output:

["1","2","Fizz"]

Example 2:

Input:

n = 5

Output:

["1","2","Fizz","4","Buzz"]

Example 3:

Input:

n = 15

Output:

["1","2","Fizz","4","Buzz","Fizz","7","8","Fizz","Buzz","11","Fizz","13","14","FizzBuzz"]

Constraints:

1 <= n <= 10

4

Code Snippets

C++:

```
class Solution {
public:
```

```
vector<string> fizzBuzz(int n) {

}
};
```

Java:

```
class Solution {
public List<String> fizzBuzz(int n) {

}
}
```

Python3:

```
class Solution:
def fizzBuzz(self, n: int) -> List[str]:
```

Python:

```
class Solution(object):
def fizzBuzz(self, n):
"""
:type n: int
:rtype: List[str]
"""
```

JavaScript:

```
/**
* @param {number} n
* @return {string[]}
*/
var fizzBuzz = function(n) {

};
```

TypeScript:

```
function fizzBuzz(n: number): string[] {

};
```

C#:

```
public class Solution {
public IList<string> FizzBuzz(int n) {

}
}
```

C:

```
/**
* Note: The returned array must be malloced, assume caller calls free().
*/
char** fizzBuzz(int n, int* returnSize) {

}
```

Go:

```
func fizzBuzz(n int) []string {

}
```

Kotlin:

```
class Solution {
fun fizzBuzz(n: Int): List<String> {

}
}
```

Swift:

```
class Solution {
func fizzBuzz(_ n: Int) -> [String] {

}
}
```

Rust:

```
impl Solution {
pub fn fizz_buzz(n: i32) -> Vec<String> {
```

```
}
}
```

Ruby:

```
# @param {Integer} n
# @return {String[]}
def fizz_buzz(n)

end
```

PHP:

```
class Solution {

/**
* @param Integer $n
* @return String[]
*/
function fizzBuzz($n) {

}
}
```

Dart:

```
class Solution {
List<String> fizzBuzz(int n) {

}
}
```

Scala:

```
object Solution {
def fizzBuzz(n: Int): List[String] = {

}
}
```

Elixir:

```
defmodule Solution do
@spec fizz_buzz(n :: integer) :: [String.t]
def fizz_buzz(n) do

end
end
```

Erlang:

```
-spec fizz_buzz(N :: integer()) -> [unicode:unicode_binary()].
fizz_buzz(N) ->
.
```

Racket:

```
(define/contract (fizz-buzz n)
(-> exact-integer? (listof string?))
)
```

Solutions

C++ Solution:

```
/*
* Problem: Fizz Buzz
* Difficulty: Easy
* Tags: array, string, math
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/

class Solution {
public:
vector<string> fizzBuzz(int n) {

}
};
```

Java Solution:

```
/**
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* Approach: Use two pointers or sliding window technique
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*/

class Solution {
public List<String> fizzBuzz(int n) {

}
}
```

Python3 Solution:

```
"""
Problem: Fizz Buzz
Difficulty: Easy
Tags: array, string, math

Approach: Use two pointers or sliding window technique
Time Complexity: O(n) or O(n log n)
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"""

class Solution:
def fizzBuzz(self, n: int) -> List[str]:
# TODO: Implement optimized solution
pass
```

Python Solution:

```
class Solution(object):
def fizzBuzz(self, n):
"""
:type n: int
:rtype: List[str]
"""
```

JavaScript Solution:

```
/**
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TypeScript Solution:

```
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function fizzBuzz(n: number): string[] {

};
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C# Solution:

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public class Solution {
public IList<string> FizzBuzz(int n) {

}
}
```

C Solution:

```
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* Note: The returned array must be malloced, assume caller calls free().
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char** fizzBuzz(int n, int* returnSize) {

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Go Solution:

```
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//
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func fizzBuzz(n int) []string {
```

```
}
```

Kotlin Solution:

```
class Solution {
fun fizzBuzz(n: Int): List<String> {

}
}
```

Swift Solution:

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class Solution {
func fizzBuzz(_ n: Int) -> [String] {

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impl Solution {
pub fn fizz_buzz(n: i32) -> Vec<String> {

}
}
```

Ruby Solution:

```
# @param {Integer} n
# @return {String[]}
def fizz_buzz(n)
```

```
end
```

PHP Solution:

```
class Solution {

/**
* @param Integer $n
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function fizzBuzz($n) {

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class Solution {
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