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1. Write a short program that prints each number from 1 to 100 on a new line.

- For each multiple of 3, print "Fizz" instead of the number.
- For each multiple of 5, print "Buzz" instead of the number.

For numbers which are multiples of both 3 and 5, print "FizzBuzz" instead of the number.

```
for (let i = 1; i <= 100; i++) {  
  if (i % 3 === 0 && i % 5 === 0) {  
    console.log("FizzBuzz");  
  }  
  else if (i % 3 === 0) {  
    console.log("Fizz");  
  }  
  else if (i % 5 === 0) {  
    console.log("Buzz");  
  }  
  else {  
    console.log(i);  
  }  
}
```

2. Consider this array: Students= ['Kamna', 'Karunesh', 'Vishal', 'Ankit', 'Karan'] and perform the given operation on this:

- a) Find the length of the given array (students)
- b) Insert (–) after each element.
- c) Replace Komal with 'Abhishek' using splice method
- d) Check if 'Karan' is present in the array.
- e) Return the position of Abhishek from the array.
- f) Insert 'Aayush' at index 0 and 'Aman' at the last

g) Remove 'Aayush' from index 0 and 'Aman' from last
Return String Karunesh, Abhishek, Kartik from array student

```
let students = ['Kamna', 'Karunesh', 'Vishal', 'Ankit', 'Karan'];
console.log("Length of array:", students.length);

let withHyphens = students.map(student => student + "-");
console.log("Array with hyphens:", withHyphens);

let index = students.indexOf('Komal');
if (index !== -1) {
  students.splice(index, 1, 'Abhishek');
}
console.log("Array after replacing Komal:", students);

let isKaranPresent = students.includes('Karan');
console.log("Is Karan present in the array:", isKaranPresent);

let positionOfAbhishek = students.indexOf('Abhishek');
console.log("Position of Abhishek:", positionOfAbhishek);

students.unshift('Aayush');
students.push('Aman');
console.log("Array after inserting Aayush and Aman:", students);

students.shift();
students.pop();
console.log("Array after removing Aayush and Aman:", students);

let selectedStudents = students.filter(student => ['Karunesh', 'Abhishek', 'Kartik'].includes(student));
let selectedStudentsString = selectedStudents.join(', ');
console.log("Selected students:", selectedStudentsString);
```