

Sample Solutions

1. FizzBuzz

Write the Code

```
function fizzBuzz(n) {
  for (let i = 1; i <= n; i++) {
    if (i % 15 === 0) {
      console.log("FizzBuzz");
    } else if (i % 3 === 0) {
      console.log("Fizz");
    } else if (i % 5 === 0) {
      console.log("Buzz");
    } else {
      console.log(i);
    }
  }
}
```

22. Group Objects by Property

Write the Code

```
function groupByRole(users) {
  const grouped = {};

  for (let i = 0; i < users.length; i++) {
    const user = users[i];
    const role = user.role;

    if (grouped[role] === undefined) {
      grouped[role] = [];
    }

    grouped[role].push(user);
  }

  return grouped;
}
```

5. Score Filter

Trace the Program

[5, 8, 10]

4. Find Negative

Find the Bug

Bug: The function returns false on the first non-negative number instead of checking the rest of the array.

Fix: Move return false outside the loop so the function only returns false after checking every element.