Stefan - Review 15

Overall Score: 98%

Detailed Review

Function Correctness: Correct Logic

Your function correctly iterates backward through the array and returns immediately upon finding the first number (from the end) that is greater than 10, which is exactly the last number > 10 in the original order. The logic is sound and efficient. Perfect!

FoundationScript Compliance: Correct

You've correctly used a function declaration rather than an arrow function. Excellent!

Comments: Minimal but Accurate

Your comments are present and accurate, but they're quite brief. The instructions asked for comments "that explain the purpose of each line of your code." Your comments (e.g., "function declaration", "condition", "return statement") are correct but could be more descriptive.

Example improvement: Instead of "condition", you could say "Check if the current number is greater than 10". Instead of "return statement", you could say "Return the number found, which is the last one greater than 10 in the original array order".

However, the comments you have are accurate and not misleading.

Summary: Present and Good

Your summary is present and accurately describes your approach. It's formatted appropriately and explains the logic clearly. Well done!

Minor note: Your summary mentions changing from `var` to `let` for FoundationScript compliance, which shows good understanding, though this wasn't strictly necessary to mention.

Variable Names: Not Applicable

Since your solution uses immediate return and doesn't store intermediate values in variables, this isn't a factor.

Code Quality: Excellent

The solution is clean, efficient, and demonstrates excellent problem-solving. The backward iteration with early return is the most efficient approach. The test cases show good understanding and verification of the solution.

Scoring Breakdown

- **Correctness:** Correct logic = 100% base
- **Comments:** -2% for minimal comments (could be more descriptive per line)

Final Score: 98%

Summary

Strengths: - Correct and optimal logic implementation - Proper use of FoundationScript - Efficient backward iteration with early return - Summary present and accurate - Clean, readable code - Good test cases demonstrating understanding

Areas for Improvement: - Expand comments to be more descriptive about the purpose of each line - While your current comments are accurate, the instructions ask for explanations of each line's purpose, which could be more detailed

Example of more descriptive comments:

```
function lastBigNumber(numbers) {
    // Start from the last index and move backwards through the array
    for (let i = numbers.length - 1; i >= 0; i--) {
        // Check if the current number is greater than 10
        if (numbers[i] > 10) {
            // Return immediately - this is the last number > 10 in the array
            return numbers[i];
        }
    }
}
```

Resources for Further Study: - MDN: Comments - Continue practicing writing descriptive comments that explain not just what code does, but why

Outstanding work! Your solution is excellent, and the logic is optimal. Just a bit more detail in the comments would make it perfect.