

Joel

Overall Score: 78%

Detailed Review

Question 1: Boolean Operators (8/10 marks)

Your Answers: - a) false - b) true (should be false) - c) true - d) true - e) false

Feedback: For part b, `!!false` evaluates to `false`. The double negation (`!!`) converts any value to its boolean equivalent, and `!false` is `true`, then `!true` is `false`.

Correct Answer: `!!false = false`

Question 2: Block Scope Understanding (10/10 marks)

Your Answers: - a) burger - b) pizza - c) error

Perfect! You've correctly understood block scope and identified that `drink` would cause an error when accessed outside its block.

Question 3: Function Terminology (6/10 marks)

Your Answers: - a) greetPerson - b) `firstName` (missing `lastName`) - c) `sarah, smith` (case doesn't matter for arguments)

Feedback: For part b, you correctly identified `firstName` but missed `lastName`. Both parameters should be listed.

Correct Answer: `firstName, lastName`

Question 4: Function Call Definition (10/10 marks)

Your Answers: - a) `calculateArea(5,3);` - b) `calculateArea(10,7)` - c) `calculateArea(4,4)`

Excellent! You've provided the correct function calls. The semicolon in part a is fine, and its absence in parts b and c is also acceptable.

Question 5: Writing a Function (12/15 marks)

Your Answer:

```
function displayProperty(address, price, bedrooms) {  
    console.log(`Address: ${address}`);  
    console.log(`Price: ${price}`);
```

```

    console.log(`Bedrooms: ${bedrooms}`);
}

displayProperty('11 velma road', '$1million', 4);

```

Feedback: Your function is well-written and uses modern template literals, which is excellent! However, the output format doesn't exactly match the requirements. The question asked for: - "Property Address: [address]" (you wrote "Address: [address]") - "Price: \$[price]" (you wrote "Price: [price]")

Improvement: While your code is functionally correct and uses modern JavaScript features, always check that the output format matches the exact requirements.

Question 6: Debugging Functions (12/15 marks)

Your Answers: - 1. missing comma (birthyear, currentYear) - 2. missing comma in call. calculateAge(2000, "2024") - 3. currentYear value is written as a string. calculateAge(2000, 2024) - 4. missing parentheses console.log('you are' + (currentYear - birthYear) + ' years old'); - 5. missing Quotes on console.log. console.log("you are" + (currentYear - birthYear) + " years old");

Feedback: You've identified most errors correctly, but you missed the main syntax error: **funtion** should be **function**. Also, the original code had missing closing parenthesis after the parameters.

Missing Error: **funtion** should be **function** (missing 'c')

Question 7: Function Behaviour (10/10 marks)

Your Answers: - a) 2 - b) Correct output

Perfect! You correctly identified that the function executes twice and provided the exact output.

Question 8: Static vs Dynamic Output (10/10 marks)

Your Answers: - a) Static: "Workout Plan #", "Created On:", "Exercises:", "Duration:", " minutes" - b) Dynamic: currentDate, planId, exercises, duration

Excellent! You've correctly identified the static text elements and the dynamic variables.

Summary

Strengths: - Good understanding of boolean operators (with one minor error)
- Perfect grasp of block scope - Excellent function call syntax - Good debugging skills
- Strong understanding of static vs dynamic content - Modern JavaScript knowledge (template literals)

Areas for Improvement: - Review double negation (!!) operator - Ensure all parameters are listed when asked - Match exact output format requirements
- Look for all syntax errors when debugging

Resources for Further Study: - MDN: Logical Operators - W3Schools: JavaScript Functions - MDN: Template Literals

Great work overall! Your understanding of JavaScript functions is solid, and your use of modern syntax shows good programming instincts.