


D-Coder Web Development Test 3 – Advanced Level


 Welcome to **D-Coder Web Development Test 3!**  

This is the third web development test, designed to challenge your knowledge at an advanced level. The test consists of **20 questions**, covering:

- ☒ Fill in the Blanks (with options)
- ☒ Multiple Choice Questions (MCQs)
- ☒ Coding-based Questions
- ☒ Input-Output Questions

 **Test Duration:** 30 minutes

 **Date:** Sunday, April 6, 2025

 **Time:** 8:00 PM – 8:30 PM

Rules:

- All questions are **mandatory**.
- Missing **3 tests in total** will result in removal from the group.
- The test link will be shared before the scheduled time.

Best of luck!  

* Indicates required question

1. Email *

2. Name *

3. CU ID *

4. Year *

Mark only one oval.

☐ 1st

☐ 2nd

☐ 3rd

☐ 4th

5. Section *

Mark only one oval.

☐ A

☐ B

☐ C

☐ D

6. Phone No. *

Fill in the Blanks (with Options) (5 Questions)

7. **1. In JavaScript, the const keyword is used to declare _____.** * 1 point

Mark only one oval.

- ☐ a) A variable that can be reassigned
- ☐ b) A block-scoped variable
- ☐ c) A constant whose value cannot be changed
- ☐ d) A function parameter

8. **2. In CSS, the z-index property is used to control _____ of elements.** * 1 point

Mark only one oval.

- ☐ a) Font size
- ☐ b) Positioning
- ☐ c) Stacking order
- ☐ d) Opacity

9. **3. In React.js, which function is used to update the state of a component?** * 1 point

Mark only one oval.

- ☐ a) this.updateState()
- ☐ b) setState()
- ☐ c) changeState()
- ☐ d) modifyState()

10. **4. The HTTP status code 401 indicates _____.** *

1 point

Mark only one oval.

- ☐ a) Forbidden access
- ☐ b) Unauthorized request
- ☐ c) Page not found
- ☐ d) Server error

11. **5. In SQL, the _____ keyword is used to filter records based on a condition.** * 1 point

Mark only one oval.

- ☐ a) ORDER BY
- ☐ b) WHERE
- ☐ c) GROUP BY
- ☐ d) HAVING

Multiple Choice Questions (10 Questions)

12. **6. Which of the following is NOT a valid HTML5 input type?** *

1 point

Mark only one oval.

- ☐ a) email
- ☐ b) date
- ☐ c) searchbox
- ☐ d) range

13. **7. In JavaScript, which function is used to convert a JSON string into an object?** * 1 point

Mark only one oval.

- ☐ a) JSON.parse()
☐ b) JSON.stringify()
☐ c) JSON.convert()
☐ d) JSON.objectify()

14. **8. Which of the following is NOT a valid CSS position value?** * 1 point

Mark only one oval.

- ☐ a) fixed
☐ b) sticky
☐ c) float
☐ d) relative

15. **9. What is the main purpose of a web worker in JavaScript?** * 1 point

Mark only one oval.

- ☐ a) Handle UI interactions
☐ b) Perform heavy computations in the background
☐ c) Style elements dynamically
☐ d) Load external scripts

16. **10. What does CORS stand for in web security? ***

1 point

Mark only one oval.

- ☐ a) Client-Origin Response System
- ☐ b) Cross-Origin Resource Sharing
- ☐ c) Content Optimization Routing Service
- ☐ d) Code-Oriented Request System

Coding Questions (10 Questions)

(MCQs, Fill in the Blanks, True/False)

17. **11. The localStorage API in JavaScript persists data even after the browser is closed.**

* 1 point

Mark only one oval.

- ☐ True
- ☐ False

18. **12. In CSS Grid, grid-template-columns: repeat(3, 1fr); creates a 4-column layout.**

* 1 point

Mark only one oval.

- ☐ True
- ☐ False

19. **13. Fill in the blank: In JavaScript, the setTimeout() function executes a function after a specified _____.** * 1 point

Mark only one oval.

- ☐ a) Interval
- ☐ b) Time delay
- ☐ c) Event trigger
- ☐ d) Number of iterations

20. **14. Which of the following removes an element from the DOM in JavaScript?** * 1 point

Mark only one oval.

- ☐ a) removeNode()
- ☐ b) deleteElement()
- ☐ c) removeChild()
- ☐ d) removeElement()

21. **15. What will the following JavaScript code output?** * 1 point

```
console.log(2 + '2' - 1);
```

Mark only one oval.

- ☐ a) 21
- ☐ b) 3
- ☐ c) 22
- ☐ d) NaN

Input-Output Questions (5 Questions)

(MCQs, True/False)

22. **16. What will be the output of the following Python code? ***

1 point

```
print(bool([]), bool({}), bool(""))
```

Mark only one oval.

- ☐ a) True True True
- ☐ b) False False False
- ☐ c) True False True
- ☐ d) False True False

23. **17. What will be the output of the following JavaScript code? ***

1 point

```
let x = [1, 2, 3] + [4, 5, 6]; console.log(x);
```

Mark only one oval.

- ☐ a) [1,2,3,4,5,6]
- ☐ b) TypeError
- ☐ c) "1,2,34,5,6"
- ☐ d) NaN

24. **18. What will be the output of the following CSS rule? ***

1 point

```
div { width: 50vw; }
```

Mark only one oval.

- ☐ a) 50% of viewport width
- ☐ b) 50% of parent container
- ☐ c) 50% of screen height
- ☐ d) Depends on flexbox settings

25. **19. If a JavaScript function returns undefined, what happens when you try to add 5 + functionCall()?** * 1 point

Mark only one oval.

- ☐ a) NaN
- ☐ b) 5
- ☐ c) UndefinedError
- ☐ d) TypeError

26. **20. What will be the output of this HTML & JavaScript code? *** 1 point
- `<button onclick="alert(typeof this)">Click Me</button>`

Mark only one oval.

- ☐ a) "object"
- ☐ b) "button"
- ☐ c) "undefined"
- ☐ d) "function"

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