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Exam : JSA-41-01

**Title : JSA - Certified Associate
JavaScript Programmer**

Version : DEMO

1.Which of the following methods will correctly perform a deep clone of an object in JavaScript?

- A. original.clone()
- B. JSON.parse(JSON.stringify(original))
- C. Object.create(original)
- D. Object.assign({}, original)

Answer: B

2.Consider the following JavaScript code snippet:

- ```
1. const book = {
2. title: 'The Great Gatsby',
3. author: 'F. Scott Fitzgerald',
4. getSummary: function() {
5. return `${this.title} by ${this.author}`;
6. }
7. };
8.
9. const getBookSummary = book.getSummary;
10. console.log(getBookSummary()); // What will this log to the console?
```
- A. ReferenceError: title is not defined
  - B. null
  - C. The Great Gatsby by  
F. Scott Fitzgerald
  - D. undefined by undefined

**Answer: D**

3.Consider the following JavaScript code snippet:

- ```
1. const obj = {  
2. prop: 42,  
3. func: function() {  
4. return this.prop;  
5. }  
6. };  
7.  
8. const extractedFunc = obj.func;  
9. console.log(extractedFunc()); // What will this log to the console?
```
- A. 42
 - B. TypeError: extractedFunc is not a function
 - C. undefined
 - D. null

Answer: C

4.You have an array of tasks, where each task is an object with properties id, title, and completed. Write a JavaScript function that returns a new array containing only the titles of the tasks that are not completed, sorted alphabetically.

Which of the following functions correctly implements this?

- A. `function getIncompleteTaskTitles(tasks) { return tasks.sort((a, b) => a.title.localeCompare(b.title))
.filter(task => !task.completed) .map(task => task.title);}`
- B. `function getIncompleteTaskTitles(tasks) { return tasks.filter(task => task.completed) .map(task =>
task.title) .sort((a, b) => a.localeCompare(b));}`
- C. `function getIncompleteTaskTitles(tasks) { return tasks.map(task => task.title) .filter(task
=> !task.completed) .sort((a, b) => a.localeCompare(b));}`
- D. `function getIncompleteTaskTitles(tasks) { return tasks.filter(task => !task.completed) .sort((a, b) =>
a.title.localeCompare(b.title)) .map(task => task.title);}`

Answer: D

5. You have the following JavaScript code:

- 1. `let config = {`
- 2. `server: "localhost",`
- 3. `port: 8080,`
- 4. `options: {`
- 5. `secure: true,`
- 6. `timeout: 5000`
- 7. `},`
- 8. `features: {`
- 9. `feature1: "enabled",`
- 10. `feature2: "disabled"`
- 11. `}`
- 12. `};`
- 13.
- 14. `let key = "features";`
- 15. `let subKey = "feature1";`
- 16. `let dynamicKey = "timeout";`

Which two of the following expressions correctly access the value 5000 from the config object?

- A. `config["options"]["timeout"]`
- B. `config[key][subKey]`
- C. `config.options.timeout`
- D. `config[key].options[dynamicKey]`

Answer: A, C