Answersheet

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No. of questions attempted: 7

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Assignment: Some and Every Array Method in JavaScript

Total no. of questions: 7

Total marks: 7

Result: Not reviewed yet

Sl. No.	Question		Actions
1	**What is the primary purpose of the "some()" method in JavaScript?** 1. To check if all elements in an array satisfy a condition. 2. **To check if at least one element in an array satisfies a condition.** 3. To find the first element in an array that satisfies a condition. 4. To find the last element in an array that satisfies a condition.	1 mark	**Correct answer** 1 mark
2	**Which method in JavaScript is used to check if all elements in an array satisfy a condition?** 1. some() 2. **every()** 3. find() 4. filter()	1 mark	**Correct answer** 1 mark
3	**What is the main difference between the some() and every() methods in JavaScript?**	1 mark	**Correct answer**

1. some() returns a boolean value, while every() returns the first element that satisfies the condition.

2. some() returns the first element that satisfies the condition, while every() returns a boolean value.

3. **some() checks if at least one element satisfies the condition, while every() checks if all elements satisfy the condition.**

4. some() checks if all elements satisfy the condition, while every() checks if at least one element satisfies the condition.

1 mark

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4   How do you use the some() method in JavaScript to check if an array contains at least one element that is greater than 5?

1 mark

1. **arr.some(x => x > 5)**   2. arr.every(x => x > 5)   3. arr.find(x => x > 5)

4. arr.filter(x => x > 5)

Correct answer

1 mark

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5   What is the return value of the every() method in JavaScript when all elements in the array satisfy the condition?

1 mark

1. **true**   2. false   3. The first element that satisfies the condition

4. The last element that satisfies the condition

Correct answer

1 mark

6
```
const searchResults = [
    { name: 'Laptop', price: 1200, onSale: false },
    { name: 'Smartphone', price: 800, onSale: true },
```

1 mark

Correct answer

1 mark

{ name: `Tablet`, price: 500, onSale: false }

];

// Use the any method to check if any product in the search results is on sale.

const isAnyProductOnSale = ……………………………………………………;

console.log(isAnyProductOnSale);

1. **searchResults.some(product => product.onSale);**

2. searchResults.every(product => product.onSale);

3. searchResults.filter(product => product.onSale).length > 0;

4. searchResults.reduce((acc, product) => acc || product.onSale, false);

7

const examScores = [75, 80, 85, 90, 95];

// Use the any method to check if all student passed the exam (scored 70 or higher).

const didEveryStudentPass = ……………………………………………………;

console.log(didEveryStudentPass);

1. **const didEveryStudentPass = examScores.every(score => score > 70);**

2. const didEveryStudentPass = examScores.every(score => score < 70);

3. const didEveryStudentPass = examScores.every(score => score === 70);

4. const didEveryStudentPass = examScores.every(score => score >= 90);

1 mark

Correct answer

1 mark