Answersheet

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No. of questions attempted: 4

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Assignment: Multidimensional Arrays are Easier Than You Might Think

Total no. of questions: 4

Total marks: 8

Result: Not reviewed yet

Sl. No.	Question	Actions
1	**What is a multidimensional array in JavaScript?** 1 mark 1. An array with multiple elements of different data types 2. An array with only one dimension 3. **An array containing other arrays as its elements** 4. An array with a fixed size	**Correct answer** 1 mark
2	**How do you create a multidimensional array in JavaScript?** 1 mark 1. By using the multidimensional() function 2. By concatenating multiple arrays together 3. **By declaring an array with multiple nested arrays inside it** 4. By using the dimensional() function	**Correct answer** 1 mark

3   **What are some use cases for using multidimensional arrays in JavaScript?**   1 mark

1. Sorting data   2. Filtering data   **3. Representing grids, matrices, or tables of data**

4. Searching data

Correct answer

1 mark

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4   **Given an array of nested arrays up to 3 levels deep. Write the code to print all the values of the innermost array.**   5 marks

const nestedArray = [

[[1, 2], 3, 4],

[5, [6, 7], 8],

[9, 10, [11, 12]],

];

// Write your code here

// Expected Output //

1, 2

6,7

11, 12

```
const nestedArray = [ [[1, 2], 3, 4], // Index 0 [5, [6, 7], 8], // Index 1 [9, 10, [11, 12]], // Index 2 ] //
Access and print: 1, 2 console.log(nestedArray[0][0][0]) // 1 console.log(nestedArray[0][0][1])
// 2 // Access and print: 6, 7 console.log(nestedArray[1][1][0]) // 6 console.log(nestedArray[1]
[1][1]); // 7 // Access and print: 11, 12 console.log(nestedArray[2][2][0]) // 11
console.log(nestedArray[2][2][1]) // 12
```

Marks

0