Answersheet

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Assignment: Arrays Explained in Depth

Result: **Not reviewed yet**

No. of questions attempted: 10

Total no. of questions: 10

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Total marks: 22

Sl. No.	Question	Actions
1	**What is an array in JavaScript?** 1 mark 1. A data type used to store a single value **2. A data structure used to store multiple values** 3. A method for declaring functions in JavaScript 4. A way to define objects in JavaScript	**Correct answer** 1 mark
2	**How do you create an array in JavaScript, and can you provide an example?** 5 marks const name = ['Arashd', 'Asif', 'Vishal']	Marks 0
3	**How can you check the data type of an array in JavaScript?** 1 mark **1. Using the `typeof` operator** 2. Using the `type` property 3. Using the isArray() method 4. Using the `instanceof` operator	**Correct answer** 1 mark

| 4 | **How can you find the index of a specific element in an array in JavaScript?** | 1 mark | **Correct answer** |

1. **Using the indexOf() method**   2. Using the find() method

3. Using the filter() method   4. Using the map() method

1 mark

| 5 | **Which data types can be stored in an array in JavaScript?** | 1 mark | **Correct answer** |

1. Only numbers   2. Only strings

3. **Any data type, including numbers, strings, objects, and even other arrays**

4. Only boolean values

1 mark

| 6 | **How do you retrieve the number of elements in an array in JavaScript?** | 1 mark | **Correct answer** |

1. **Using the `length` property**   2. Using the `count` method   3. Using the `size` property

4. Using the `elements` method

1 mark

| 7 | **What methods can you use to add new elements to the end of an array in JavaScript?** | 1 mark | **Correct answer** |

1. **`push()` method**   2. `concat()` method   3. splice() method   4. A and B both

1 mark

| 8 | **Is it common to add key-value pairs directly to an array in JavaScript? Why or why not?** | 5 marks | Marks |

0

No, it is not common. Arrays in JavaScript are designed to hold ordered values that are accessed using numeric indices (e.g., array[0]). Objects, on the other hand, are meant to store key-value pairs, where keys are typically strings (e.g., { key: 'value' }). Why it's not

common: Arrays are intended to be used with numerical indices and are not meant for key-value pairs. If you add key-value pairs directly to an array, JavaScript will treat them as properties, not array elements. This can cause unexpected behavior, and the array may not behave as you expect.

9	**Create one object and add one array inside it for the key 'array'.** 5 marks	Marks
	// Creating an object with an array inside it let myObject = { array: ['apple', 'banana', 'mango'] }; // Accessing the array inside the object console.log(myObject.array); // Output: ['apple', 'banana', 'mango']	0

10	**Guess the output of below code.** 1 mark	**Correct answer**
	[] === [] 1. **true** 2. **false** 3. **Syntax Error** 4. **null**	1 mark