



## Answersheet

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No. of questions attempted: 6

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Assignment: for of vs for in Loop in JavaScript Total no. of questions: 6

Total marks: 18

Result: **Not reviewed yet**

Sl. No.	Question	Actions
1	<p><b>What is the primary difference between the "for of" and "for in" loops in JavaScript?</b></p> <p>for...in loop is used to iterate over the keys (property names) of an object or the indexes of an array. for...of loop is used to iterate directly over the values of an iterable object like an array, string, Map, or Set.</p>	<p>5 marks</p> <p>Marks</p> <input type="text" value="0"/>
2	<p><b>In which scope does "for of" loop create its variable in each iteration?</b></p> <p>1. A new global variable      2. A new function scope variable</p> <p><b>3. It depends upon which keyword is used for the variable when we create a for...of loop.</b></p> <p>4. A new block scope</p>	<p>1 mark</p> <p><b>Correct answer</b></p> <input type="text" value="1 mark"/>
3	<p><b>What is the significance of using the "for of" loop over the "for in" loop in JavaScript?</b></p>	<p>1 mark</p> <p><b>Correct answer</b></p>



1. The "for of" loop provides better performance compared to the "for in" loop.

2. The "for of" loop is more compatible with older JavaScript environments.

3. The "for of" loop offers more readability and avoids pitfalls related to object iteration present in the "for in" loop.

4. The "for of" loop allows for more flexibility in defining iteration conditions.

1 mark

4

You are working on a JavaScript program where you have an object representing student information. The object student contains various properties such as name, age, and grade.

5 marks

Marks

0

Your task is to write a JavaScript code snippet using the for...in loop to iterate over each property of the student object and concatenate the property names into a string separated by commas.

```
const student = {
```

```
  name: 'John Doe',
```

```
  age: 20,
```

```
  grade: 'A'
```

```
};
```

```
let properties = "";
```

```
// Write your code here
```

```
console.log(properties);
```

```
const student = { name: 'John Doe', age: 20, grade: 'A' }; let properties = ""; for (let key in student) { properties += key + ","; } properties = properties.slice(0, -1); console.log(properties);
```



5	<p><b>Why is a for...of loop preferred over a standard for loop?</b></p> <p>1. It simplifies the iteration process for objects.</p> <p>2. It simplifies iterating over iterable objects such as arrays, strings, and sets.</p> <p>3. It improves the performance of the loop in JavaScript.</p> <p>4. It allows access to both the index and the value of each element in an array.</p>	1 mark	<p><b>Correct answer</b></p> <p>1 mark</p>
6	<p><b>Write a program to print all the keys and values of the below object.</b></p> <p>i. Using for...of loop along with Object.entries()</p> <p>ii. Using for...in loop</p> <pre>const student = {   name: 'John Doe',   age: 20,   grade: 'A' };  const student3 = { name: 'John Doe', age: 20, grade: 'A' }; // Using for...of loop with Object.entries() for(let [key, value] of Object.entries(student3)) { console.log(`\${key}: \${value}`); } // Using for...in loop for(let key in student3 ) { console.log(`\${key}: \${student3[key]}`); }</pre>	5 marks	<p>Marks</p> <p>0</p>