



Asynchronous in JavaScript - Quiz

Below is a scored review of your assessment. All questions are shown.



Correct Answer



Partially Correct



Incorrect Answer

1 What does the await keyword do to an async function?

**Your Answer** Suspends its execution

**Correct Answer** Suspends its execution

### Justification

The await keyword suspends the execution of an async function until a promise is resolved or rejected. It waits for the promise to be settled and returns its result.

**2** What are 2 native functions to run code asynchronously in JavaScript ?

**Your Answer**                      setTimeout()  
                                             setInterval()

**Correct Answer**                    setTimeout()  
                                             setInterval()

### Justification

The two native functions to run code asynchronously in JavaScript are setTimeout() and setInterval().

**3** The setTimeout() belongs to which object?

**Your Answer** Window

**Correct Answer** Window

### Justification

The setTimeout() function belongs to the Window object in JavaScript.

**4** Which method receives the return value of `setTimeout()` to cancel future invocations?

**Your Answer** `clearTimeout()`

**Correct Answer** `clearTimeout()`

### Justification

The `clearTimeout()` method receives the return value of `setTimeout()` to cancel future invocations.

**5** To which object does the location property belong?

**Your Answer** Window

**Correct Answer** Window

### Justification

The location property in JavaScript belongs to the Window object.

**6** Which function among the following lets to register a function to be invoked once?

**Your Answer**                      setTimeout()

**Correct Answer**                      setTimeout()

### Justification

The setTimeout() function lets you register a function to be invoked once after a specified delay.

**7**

Which method receives the return value of `setInterval()` to cancel future invocations?

**Your Answer**

`clearInterval()`

**Correct Answer**

`clearInterval()`

### Justification

The `clearInterval()` method receives the return value of `setInterval()` to cancel future invocations.



## 8 What is the primary purpose of using asynchronous programming in JavaScript?

**Your Answer** To improve responsiveness and avoid blocking the main thread

**Correct Answer** To improve responsiveness and avoid blocking the main thread

### Justification

Asynchronous programming in JavaScript is used to execute tasks that may take time, such as making network requests, reading files, or performing time-consuming computations, without blocking the main thread. This helps in maintaining a responsive user interface and ensures that other parts of the application can continue functioning while waiting for the asynchronous tasks to complete.

## 9 What is the use of the Promise object in JavaScript?

**Your Answer** To make asynchronous operations in a sequential manner

**Correct Answer** All of the above

### Justification

The Promise object in JavaScript is used to handle asynchronous operations in a sequential manner, execute functions in a defined order, and handle errors in asynchronous operations.

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What will be the output of following code snippet?

```
const firstPromise = new Promise((res, rej) => {  
  setTimeout(res, 500, 'one');  
});  
const secondPromise = new Promise((res, rej) => {  
  setTimeout(res, 100, 'two');  
});  
Promise.race([firstPromise, secondPromise]).then(res => console.log(res));
```

Your Answer

"two"

Correct Answer

"two"

### Justification

The given code will return "two" because the secondPromise resolves first and Promise.race will resolve with its value.

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Summary

I'm done.

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