

QUIZ - 38

(1.) What is a higher-order function in JavaScript?

Ans. A function that returns a function

A function that takes a function as an argument

A function that operates on a higher level of abstraction than other functions

A function that is used for mathematical calculations

(2.) Which of the following is an example of a higher-order function in JavaScript?

Ans. forEach()

reduce()

both a and b

none of the above

(3.) What is the purpose of the map() function in JavaScript?

Ans. **It creates a new array by performing a transformation on each element of an existing array**

It filters an array based on a given condition

It returns the first element in an array that satisfies a given condition

It reduces an array to a single value

(4.) Which of the following is an example of a callback function in JavaScript?

Ans. setTimeout()

setInterval()

both a and b

none of the above

(5.) What is the purpose of the filter() function in JavaScript?

Ans. It creates a new array by performing a transformation on each element of an existing array

It filters an array based on a given condition

It returns the first element in an array that satisfies a given condition

It reduces an array to a single value

(6.) What is the purpose of the setInterval() function in JavaScript?

Ans. It executes a function after a specified amount of time has elapsed

It executes a function repeatedly at a specified interval

It sets the current time on a clock display

It sets the timeout period for a function to execute

(7.) What is the purpose of the setTimeout() function in JavaScript?

Ans. **It executes a function after a specified amount of time has elapsed**

It executes a function repeatedly at a specified interval

It sets the current time on a clock display

It sets the timeout period for a function to execute

(8.) How is the time interval specified for setInterval() and setTimeout() functions?

Ans. In seconds
In minutes
In milliseconds
In hours

(9.) What is the difference between setInterval() and setTimeout() functions?

Ans. **setInterval() executes a function repeatedly at a specified interval, while setTimeout() executes a function only once after a specified amount of time has elapsed.**

setTimeout() executes a function repeatedly at a specified interval, while setInterval() executes a function only once after a specified amount of time has elapsed.

setInterval() and setTimeout() are essentially the same function with different names.

setInterval() and setTimeout() are not related to each other.

(10.) Which of the following is an example of setting a timeout in JavaScript?

Ans. setInterval(myFunction, 1000);
setTimeout(myFunction, 500);
setInterval(myFunction, "1s");
setTimeout(myFunction, "0.5s");

(11.) What is the purpose of the every() function in JavaScript?

Ans. **It checks if every element in an array satisfies a given condition**

It finds the first element in an array that satisfies a given condition

It sorts the elements of an array in ascending order

It reduces an array to a single value

(12.) What is the purpose of the find() function in JavaScript?

Ans. It checks if every element in an array satisfies a given condition

It finds the first element in an array that satisfies a given condition

It sorts the elements of an array in ascending order

It reduces an array to a single value

(13.) What is the purpose of the sort() function in JavaScript?

Ans. It checks if every element in an array satisfies a given condition

It finds the first element in an array that satisfies a given condition

It sorts the elements of an array in ascending or descending order

It reduces an array to a single value

(14.) What is the purpose of the reduce() function in JavaScript?

Ans. It checks if every element in an array satisfies a given condition

It finds the first element in an array that satisfies a given condition

It sorts the elements of an array in ascending or descending order

It reduces an array to a single value by repeatedly applying a function to each element

(15.) What is the return value of reduce() function?

Ans. An array
A single value
A boolean value
Another function

(16.) What is the purpose of the clearInterval() function in JavaScript?

Ans. It clears the timeout period for a function to execute
It clears the interval for a function to execute repeatedly
It sets the timeout period for a function to execute
It sets the interval for a function to execute repeatedly

(17.) What is the purpose of the clearTimeout() function in JavaScript?

Ans. **It clears the timeout period for a function to execute**
It clears the interval for a function to execute repeatedly
It sets the timeout period for a function to execute
It sets the interval for a function to execute repeatedly

(18.) Which of the following is the correct syntax for clearInterval() function?

Ans. **clearInterval(intervalID);**
clearInterval(timeoutID);
clearTimeout(intervalID);
clearTimeout(timeoutID);

(19.) Which of the following is the correct syntax for clearTimeout() function?

Ans. clearInterval(intervalID);
clearInterval(timeoutID);
clearTimeout(intervalID);
clearTimeout(timeoutID);

(20.) When should clearInterval() or clearTimeout() functions be used in JavaScript?

Ans. **To prevent a function from executing repeatedly at a specified interval or after a specified timeout**
To ensure that a function executes repeatedly at a specified interval or after a specified timeout
To execute a function repeatedly at a specified interval or after a specified timeout
None of the above