

Quiz

This lesson covers multiple choice questions related to functional programming in JavaScript.

1

Choose the correct option:

- ☐ A) The state of a program is the value of its **local** variables at a given time
- ☐ B) A goal of functional programming is to maximize state mutations (changes)
- ☐ C) JavaScript functions can be passed around just like any other value
- ☐ D) All of the above

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Choose the correct option:

- ☐ A) A function that takes another function as a parameter or returns another function is called a **Lower-order function**

☐ B) A **pure function** depends solely on its inputs for computing its outputs and has no side effect

☐ C) JavaScript is not a **multi-paradigm** language

☐ D) All of the above

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Choose the correct option:

☐ A) The `filter()` method takes an array as a parameter and creates a new array with the results of calling a provided function on every element in this array

☐ B) The `map()` method offers a way to test every element of an array against a provided function

☐ C) The `reduce()` method applies a provided function to each array element in order to reduce it to one value

☐ D) All of the above

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Is the following statement correct?

`reduce()` method takes two parameters: the first is an accumulator which contains the accumulated value previously returned by the last invocation of the function and the other parameter is the array element

parameter is the array element.

☐ A) True

☐ B) False

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Choose the correct option:

☐ A) A **pure function** is independent from the program state and must not access it

☐ B) The only way for a function without parameters to be pure is to return a **constant** value

☐ C) A **side effect** is a change in program state or an interaction with the outside world

☐ D) All of the above

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Choose the correct option:

☐ A) Any assignment to one of the local variables is a state change, often called a **mutation**

☐ B) In order to decrease the risk of accidental state mutation, a

- ☐ B) In order to decrease the risk of accidental state mutation, a first step is to favor `let` over `const` whenever applicable for variable declarations

- ☐ C) Procedural programming means to split source code into subroutines

- ☐ D) All of the above

CHECK ANSWERS