JS Functions

Total points **0/0**

Functions

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✓ What will this code print to the console? *

```
const sleepTimer = (alarm) => {
  console.log('My alarm is set for: ' + alarm);
}

sleepTimer('8:30AM');
```

⦿ My alarm is set for: 8:30AM ✓

◯ My alarm is set for: undefined

◯ My alarm is set for: alarm

◯ My alarm is set for: sleepTimer

Feedback

👏

Correct! '8:30AM' is the argument passed to sleepTimer().

✓ **Which correctly represents the most condensed form of the function? Recall** *
that this syntax is also known as 'concise body.'

○ const areaOfCircle = radius => { return Math.PI * radius * radius };

◉ const areaOfCircle = radius => Math.PI * radius * radius;   ✓

○ const areaOfCircle = radius => { Math.PI * radius * radius };

○ const areaOfCircle = radius => return Math.PI * radius * radius;

Feedback

👏

Correct! Concise body syntax (with one parameter) does not use parentheses, curly braces, or the return keyword.

✓   Which of the following is a parameter in the block of code below? *
let input = 8;
const controlVal = input / 2 + 3;
const multiplier = (number, phase) => {
  const val = number * controlVal + phase;
  console.log(val);
};

◯   controlVal

◯   input

◯   val

⦿   number   ✓

Feedback

👏

Correct!

✓ What will be printed to the console?   *
const eatFruit = (fruit = 'apple') => {
  console.log(`This ${fruit} is delicious!`);
};

eatFruit();

◉ This apple is delicious!   ✓

○ This fruit is delicious!

○ This is delicious!

○ This undefined is delicious!

Feedback

👏
Correct! eatFruit() has a default value of 'apple' for the fruit parameter.

✓ This code prints: **I ran 3 miles at an average of undefined per mile**. Why does the text include **undefined**?
const workoutJournal = (miles, avgTime) => {
  console.log('I ran ' + miles + ' miles at an average of ' + avgTime + ' per mile.');
};

workoutJournal('3');

  *

○ The miles parameter is not declared.

○ workoutJournal is not defined.

○ workoutJournal does not print the value of both arguments.

◉ The call to workoutJournal is missing a second argument. ✓

Feedback

👏

Correct!

✓ What is wrong with the code snippet provided? *
const greeting = => {
  console.log('Hello Programmer!');
};

○ The ordering of = and => should be switched.

○ The function expression cannot be declared with a const keyword.

○ The curly braces {} should be parentheses ().

◉ The greeting function is missing a set of () between the = and =>.   ✓

Feedback

👏

Correct! When there are no parameters, an arrow function needs to have a set of empty parentheses ().

✓ **What's the purpose of a parameter? ***

○ To call a function.

⦿ To allow a function to accept data. ✓

○ To specify actual values passed to a function.

Feedback

Arguments are the values passed into a function. Parameters act as placeholders for argument values.

✓ Which of the following is the correct way to call the function below? *
const multiplier = (number) => {
  console.log(3 * number);
};

○ multiplier{5}

◉ multiplier(5)   ✓

○ multiplier 5

○ multiplier[5]

Feedback

👏

Correct!

✓ Which of the following best describes what a function in JavaScript is used *
for?

○ A function allows for the use of mathematical operators.

◉ A function is a reusable piece of code that can accept input and performs a ✓
specific task.

○ A function creates new variables.

○ A function stores data.

Feedback

👏

Correct!

✓ Which of the following most accurately describes the **volumeOfCube()** function?   *

```
function volumeOfCube (side) {
  return side * side * side;
}


volumeOfCube(5);
// Output: 125.
```

○ It is a function expression.

⦿ It is a function declaration.   ✓

○ It is an arrow function.

○ It is an anonymous function.

Feedback

👏

Correct! This is a function declaration. A function expression requires a variable assignment like const volumeOfCube() = function () {....

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