JS Functions

Total points 0/0

Functions

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✓ 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.

✓ 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 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!

✓ 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 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 () {....

✓ 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 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.

✓ 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 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!

✓ 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!