JS Functions

Total points 0/0

Functions

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✓ 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'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 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 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 ().

✓ **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 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 () {....*

✓ **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().

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