JS Functions

Total points 0/0

Functions

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✓ 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!

✓ **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!

✕ 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.   ✕

Correct answer

◉ To allow a function to accept data.

✓ 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 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 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 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 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!

✓ 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 ().

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