JS Functions

Functions

Email *

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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.

✓ 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 () {....

✓ 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 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

Correct answer

◉ number

✓ 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 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;   ✗

Correct answer

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

✓ 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 ().

✓ What will this code print to the console? *

```javascript
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().

✗ 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.

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