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Module 2 Quiz

Latest Submission Grade 92.3%

1. Identify important features of a code editor. Select all that apply.

1 / 1 point

☒ Allows customization for your personal comfort and ergonomics.

✓ Correct

You will be working with a code editor a lot, so it is important to set one up that works for you.

☐ Opens PDF files.

☐ Save files in .doc or .docx formats.

☐ Allows editing of graphic file formats such as .jpg, .png, or .psd.

☒ Includes code completion for the language in which you are working.

✓ Correct

You will be working with a code editor a lot, so it is important to set one up that works for you.

☒ Includes syntax highlighting.

✓ Correct

You will be working with a code editor a lot, so it is important to set one up that works for you.

2. The Statement:

1 / 1 point

```
console.log ( 6 % 2 );
```

will yield what answer in the console?

☒ 0

☐ 1

☐ 3

✓ Correct

The modulus operator provides the remainder after the first operand is divided by the second operand.

3. Identify the syntax errors in this if statement. Select all that apply.

1 / 1 point

```
var name = "John";
```

```
if ( name = "John" ) { console.log ( "good morning John" ); }
```

☒ There is an error concerning the braces used for enclosing the code block.

✓ Correct

Correct braces for code blocks are often areas where it is easy to make errors

☒ The condition for the if statement is an assignment, not a comparison.

✓ Correct

Comparison operators for code blocks are often areas where it is easy to make errors.

☐ Name is not a viable name for a variable because it is a keyword.

☐ Parentheses should not be used to enclose the condition.

4. Identify the correct use of the && operator within conditional statements.

1 / 1 point

- ☐ For a statement to return true, none of the conditions separated by the && operator can evaluate true.
- ☐ The statement immediately following the && operator must be more true than the statement before the && operator.
- ☐ For a statement to return true, any of the conditions separated by the && operator can evaluate to true.
- ☒ For a statement to return true all conditions separated by the && operator must also evaluate to true.

✓ Correct

Mastering logical operators is part of becoming a good JavaScript programmer.

5. What is the role of a loop as a logical flow control structure in JavaScript?

1 / 1 point

- ☐ Loops are used when a statement returns true.
- ☐ Loops are only used in JavaScript when a variable is defined as a counter.
- ☐ Loops are only used with arrays in JavaScript.
- ☒ Loops are used to repeatedly run a block of code, until a condition is met that forces the loop to stop running.

✓ Correct

Loops are an important logical flow control structure that you will use frequently while programming in JavaScript.

6. Which reserved words in JavaScript are used with loop control structures? Select all that apply.

1 / 1 point

- ☐ run
- ☐ if
- ☐ else
- ☒ for

✓ Correct

There are other ways to create loops in JavaScript, but the for loop is fundamental.

- ☒ while

✓ Correct

There are other ways to create loops in JavaScript, but the while loop is fundamental.

7. What is the problem with the loop below?

1 / 1 point

```
for ( var i=0; i>10; i++ ) { console.log ( "the value of i is" +i ); }
```

- ☐ The loop has a syntax error.
- ☒ The loop never runs because the initial condition is never met.
- ☐ The console.log statement has a syntax error.
- ☐ The loop runs forever.

✓ Correct

Always check your comparison operators, if you get unexpected results.

8. Suppose you have a program that adds a series of values to provide a sum total, then it checks to see if that sum total is greater than a predefined amount. If it is greater, the program prints each value that made up the sum to the console log.

1 / 1 point

Which logical flow control structures have been employed in this program?

- ☐ Loop and selection
- ☐ Selection and sequence
- ☒ Sequence, selection, and loop
- ☐ Sequence and loop

✓ Correct

Sequence is used because the program does multiple tasks, one after another. Selection is used to check the total and do something if a condition is met. Loop is used when printing out the sums to the console log, and could be used to add the initial sums.

9. What is the purpose of a named function in JavaScript?

1 / 1 point

- ☐ Functions are the same as loops, but easier to write.
- ☐ To create machine readable code that runs more efficiently in the browser.
- ☐ Functions are used to minimize the use of logical flow control structures.
- ☒ To create a generalized reusable block of code that encapsulates a task.

✓ Correct

You will create and use functions frequently while writing JavaScript.

10. Given this code:

1 / 1 point

```
function addStuff ( item1, item2 ) { var sum = item1 + item2; return sum; }
```

Which statements below are true? Select all true statements.

☒ item1 is a parameter.

✓ Correct

Understanding the structure of functions is fundamental JavaScript.

☐ addStuff (); would return a value of 0;

☐ This function has a syntax error.

☒ addStuff (4, 2) would return a value of 6.

✓ Correct

Understanding the structure of functions is fundamental JavaScript.

☒ This function returns a value.

✓ Correct

Understanding the structure of functions is fundamental JavaScript.

☐ This function returns false.

11. Select all the true statements about functions in JavaScript.

1 / 1 point

☒ Functions can be assigned to variables.

✓ Correct

Practice writing and working with functions will help you get better at JavaScript. Be sure to do the challenge assignments if you want to get better at it.

☒ There are a few different syntactical options for defining and writing functions in JavaScript.

✓ Correct

Practice writing and working with functions will help you get better at JavaScript. Be sure to do the challenge assignments if you want to get better at it.

☐ It is illegal to define a function inside another function in JavaScript.

☒ Functions can take other functions passed in as arguments.

✓ Correct

Practice writing and working with functions will help you get better at JavaScript. Be sure to do the challenge assignments if you want to get better at it.

☐ Functions can't be passed into other functions.

☒ Functions can be named, or be anonymous.

✓ Correct

Practice writing and working with functions will help you get better at JavaScript. Be sure to do the challenge assignments if you want to get better at it.

☐ In JavaScript, functions are not first class citizens.

12. Given this code:

1 / 1 point

```
function selectColor(color){  
  
    if(color == "red" || color == "blue" || color == "yellow"){
```

```

    var colorArray = [];

    for(var i=0; i<color.length; i++){

        colorArray.push(color[i]);

    }

    return colorArray;

}

else {

    return `the ${color} is not a primary color`;

}

}

```

Which statements below are true? Select all true statements.

- ☐ This function returns false.
- ☒ This function returns a value.



Correct
This function uses sequence, selection and loop control structures.

- ☒ selectColor("orange") will return "orange is not a primary color".



Correct
This function uses sequence, selection and loop control structures.

- ☒ selectColor ("red") will return ['r', 'e', 'd']



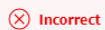
Correct
This function uses sequence, selection and loop control structures.

- ☐ This function has a syntax error.
- ☐ selectColor(blue) returns ['b', 'l', 'u', 'e']

13. What is the difference between a function and a method in JavaScript?

0 / 1 point

- ☐ There is essentially no difference.
- ☐ Functions that belong to the window object are not considered methods.
- ☒ Functions that don't expressly use the dot syntax are not methods.
- ☐ Methods are only used with arrow functions.



Incorrect
Please revisit the lessons on: **Functions in JavaScript**.