Web191 - JAVASCRIPT AND PHP

Assignment 2a: Review Questions

Due Date: Feb 20, 2024

1. Function statements are always enclosed within opening and closing curly braces in a structure known as a.
   1. conditional operator
   2. command block
   3. parameter list
   4. return statement

1. Functions that are not named are called
   1. empty functions
   2. closed functions
   3. local functions
   4. anonymous functions

1. Variables declared with the let keyword.
   1. have block scope
   2. have function scope
   3. have values that cannot be changed once declared
   4. act the same as variables declared with the var keyword

1. To return a value from a function, the last function statement must.
   1. contain the document.write() method
   2. contain the let keyword
   3. contain the return keyword
   4. contain the Return keyword

1. Which of the following is a primitive data type in JavaScript?
   1. Boolean
   2. integer
   3. floating point
   4. logical

1. Which of the following describes JavaScript?
   1. strongly typed
   2. statically typed
   3. loosely typed
   4. untyped

1. Which of the following is an integer?
   1. −2.5
   2. 6.02e23
   3. −11
   4. 0.03

1. Which of the following is a Boolean value?
   1. 3.04
   2. true
   3. "Greece"
   4. 6.02e23

1. Which of the following creates an empty string?
   1. null
   2. undefined
   3. ""
   4. 0

1. Which of the following is a valid JavaScript statement?
   1. document.write('Boston, MA is called 'Beantown.'')
   2. document.write("Boston, MA is called "Beantown."")
   3. document.write("Boston, MA is called 'Beantown."')
   4. document.write("Boston, MA is called 'Beantown.'")

1. To run the showReport() function when an input button is clicked, what attribute should be added to the HTML tag?
   1. onclick = "showReport"
   2. click = "showReport()"
   3. onclick = "showReport()"
   4. addEvent = showReport

1. One advantage of event listeners over event handlers is that.
   1. more than one function can be attached to the event
   2. event listeners work with local and global variables
   3. you can pass parameter values to event listeners
   4. event listeners work with mobile devices

1. If x = 10, the value of y in the following expression is. let y = x--;
   1. 9
   2. 10
   3. 11
   4. Undefined

1. If x = 10 and y = 20, the value of y in the following expression is.

y /= x;

* 1. 1/2
  2. 2
  3. 10 4. 30

1. If x = 5 the value of y in the following expression is. let y = (x === "5") ? 10 : 20;
   1. 5
   2. 10
   3. 20
   4. Undefined

1. Write the code for a function named mod10() that has a single parameter named x and returns the remainder of x divided by 10.

Function mod10(x)

{return x%10;}

1. Write the code for a function named calcRatio() that has three parameters named x, y, and z and returns the sum of x and y with that sum divided by z.

Function calcRatio(x,y,z)

{ return (x+y)/z;}

1. Explain the difference between a prefix and a postfix operator and provide an example of each.

A [prefix operator](javascript://) is a unary operator placed before the variable, while a [postfix operator](javascript://) is placed after the variable.

let x=5;

let y=++x // x=6 and y=6

But if the code is written using a postfix operator, a different result occurs

Let x=5;

Let y=x++ // x-6 and y=5

1. Provide an expression that tests whether x is greater than or equal to y and returns the value of x if that condition is true and y if otherwise.

x = “5”;

y =”4”;

x + =y; // a numeric value of 9 is returned for x

1. Write code that attaches an event listener for the click event for an element with the id “calc” that runs the function calcRatio() using 4, 8, and 3 as the parameter values. (Hint: You will have to use an anonymous function within the event listener.)