

# Tutorial 9 Quick Check Answers

---

## Session 9.1 Quick Check

1. In a server-side program, the program code is run from the server hosting the website. In a client-side program, the program is run on the user's computer using scripts that are downloaded along with the HTML and CSS files.
2. `<script src="tny_functions.js" async></script>`
3. With asynchronous loading, the browser parses the HTML and JavaScript code together, only pausing to process the script before returning to the HTML file. With deferred loading, the browser defers script processing until after the page has been completely parsed and loaded.
4. 

```
/*  
Tusla New Year's Bash  
Clock Functions  
*/
```
5. `window.alert("Happy New Year!");`
6. This will cause a load-time error due to the improper syntax in using upper-case letters in the `window.alert()` command.
7. A breakpoint is a location in the script where the browser will pause the program, allowing the programmer to determine whether the error has already occurred at that point in the script's execution.
8. `"use strict";`

## Session 9.2 Quick Check

1. There are four types of JavaScript objects: built-in objects that are intrinsic to the JavaScript language, browser objects that are part of the browser, document objects that are contained within the document displayed by the browser, and customized objects that are created by the programmer for use in his or her application.
2. `document.getElementsByTagName("p")`
3. `document.getElementById("sidebar")`
4. `document.getElementById("sidebar").innerHTML =`  
`"<h1>More Stories</h1>";`
5. `document.getElementById("sidebar").textContent = "Current News";`
6. `var totalMonths = 12;`
7. Values that indicate the truth or falsity of a statement. There are only two Boolean values: true or false.
8. `var expDate = new Date("April 4, 2018 8:38:14");`
9. `expDate.getHours()`

## Session 9.3 Quick Check

1. `thisDay++;`
2. (FYI. A better way to phrase the question is as follows:  
The following command contains the assignment operator “=”:  
`income = income - taxes;`  
Rewrite the command in another equivalent way using a *shorthand* assignment operator.”)  
  
`answer: income -= taxes;`
3. `Math.ceil(dailyIncome)`
4. `Math.PI*Math.pow(radius, 2)`

5. 

```
function calcCirArea(radius) {  
    var area = Math.PI*Math.pow(radius, 2);  
    return area;  
}
```
6. 

```
finalArea = calcCirArea(15);
```
7. Variables with local scope are defined within a function and can only be referenced within that function. Variables with global scope are defined outside of a function and can be used anywhere within the script file or from within other script files.
8. 

```
setTimeout("init()", 5000);
```
9. 

```
setInterval("init()", 5000);
```