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Memo		IMED 2351 Fall 2015
Due	October 8, 2015	
Subject	Quiz 2 – JavaScript	

1. If the variable **hours** = **10**, what is the value of the variable **salary** after the following instruction has been executed: **salary = hours \* 8**
  - a. 10
  - b. 8
  - c. 80
  - d. cannot tell from the information given
2. Which is the correct way to **define** a function named `getAge()`?
  - a. 

```
function getAge(){  
    body of function  
}
```
  - b. `getAge = new function`
  - c. 

```
getAge(){  
    body of function  
}
```
  - d. 

```
new function getAge(){  
    body of function  
}
```
3. Which of the following will retrieve the HTML content displayed in a `<div></div>` element which has `id = "football"` and will store that information in a variable named **sport**?
  - a. **var sport** = document.getElementById("football").innerHTML;
  - b. document.getElementById("football") = **sport**;
  - c. **var sport** = document.innerHTML(id = "football");
  - d. document.write("football");
4. Given the following code snippet, what will be displayed on the web page?

```
var X = 23;  
var Y = 3;  
var Z = X + Y;  
document.write(Z);
```

  - a. 3
  - b. 233
  - c. NaN
  - d. 26

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5. What will the following code snippet display?

```
var x = 5;
if (x == 4)
    document.write("Math is fun!");
else
    document.write("Wrong! <br />");
document.write("Math is not fun!");
```

- |                 |                                     |
|-----------------|-------------------------------------|
| a. Math is fun! | b. Math is fun!<br>Math is not fun! |
| c. Wrong!       | d. Wrong!<br>Math is not fun!       |

6. What will display after the following code is run if  $z = 3$ ?

```
switch(z)
{
    case 1:
        document.write("one!");
    case 2:
        document.write("two!");
    case 3:
        document.write("three!");
    default:
        document.write("go!");
}
```

- |                         |                      |
|-------------------------|----------------------|
| a. nothing will display | b. three!go!         |
| c. one!two!three!       | d. one!two!three!go! |

7. Which of the following will generate a **random** whole number between 1 and 10?

- |   |   |
|---|---|
| a. <code>Math.random() * 10;</code>     | b. <code>Math.floor(Math.random() * 1 + 10);</code> |
| c. <code>Math.random() * 10 + 1;</code> | d. <code>Math.floor(Math.random() * 10 + 1);</code> |

8. In the following statement, what is the test condition?

```
for (var y = 2; y < 6; y++)
```

- |                        |                   |                           |                   |
|------------------------|-------------------|---------------------------|-------------------|
| a. <code>y = 2;</code> | b. <code>y</code> | c. <code>y &lt; 6;</code> | d. <code>6</code> |
|------------------------|-------------------|---------------------------|-------------------|

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9. What is the correct syntax for referring to an **external** script named “myscript.js”?

- a. `<script name="myscript.js"></script>`
- b. `<script href="myscript.js"></script>`
- c. `<script src="myscript.js"></script>`
- d. None of the above

10. How do you write “Hello World!” in an alert box?

- a. `alertBox(“Hello World!”);`
- b. `alert(“Hello World!”);`
- c. `prompts(“Hello World!”);`
- d. `alertBox = “Hello World!”;`

11. If you want to convert the string “imed2351” TO “IMED2351”, which JavaScript function will be used to do that in the blank space below?

```
var txt = “imed2351”;  
txt = txt._____;
```

- a. `toUpperCase();`
- b. `touppercase();`
- c. `uppercase();`
- d. `UpperCase();`

12. Which of the following is the correct way to set a background color of blue to an HTML element with id="colorChange"?

- a. `document.getElementById("colorChange").style.background = "blue";`
- b. `document.getElementById("colorChange").innerHTML = "blue";`
- c. `document.getElementById("colorChange").style = blue(this.id);`
- d. `document.getElementById("colorChange").this.id = background("blue");`

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For Questions 13 – 15 use the following code below:

```
<script>
1.   var pen = "Bic";
2.   var pencil = "0.7 mm lead";
3.   function writeIt()
4.   {
5.       document.write("I have a " + pen + " pen.");
6.       pen = "Flair";
7.       document.write("You have a " + pen + " pen.");
8.       var pencil = "0.5mm lead";
9.       document.write("I prefer pencils with " + pencil);
10.  }
</script>
```

13. What is the scope of the variable **pen** on line 1?
- a. global      b. local      c. value      d. reference
14. What is the scope of the variable **pen** on line 6?
- a. global      b. local      c. value      d. reference
15. What is the scope of the variable **pencil** on line 8?
- a. global      b. local      c. value      d. reference
16. Given the following array, what is the value of **pets[4]**?
- ```
var pets = ["dog", "cat", "duck", "horse", "hamster", "goldfish", "beetle"];
```
- a. horse      b. hamster      c. duck      d. goldfish

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17. What will be displayed after the following statements are executed?

```
var classes = ["Algebra 1", "Algebra 2", "Trig", "Calculus 1", "Calculus 2"];  
document.write("There are " + classes.length + " math courses in the sequence.");
```

- a. There are 5 math courses in the sequence.
- b. There are 4 math courses in the sequence.
- c. There are 6 math courses in the sequence.
- d. Nothing will display. This code won't work.

18. What will the document.write() statement display, given the following code snippet?

```
var scores = [94, 90, 88, 82, 73, 70, 75];  
var last = scores.length - 1;  
document.write("There are " + last + " scores recorded. The dropped score is " + scores[last]);
```

- a. There are 7 scores recorded. The dropped score is 75
- b. There are 6 scores recorded. The dropped score is 70
- c. There are 7 scores recorded. The dropped score is 70
- d. There are 6 scores recorded. The dropped score is 75

19. Which of the following will sort an array of strings named rainfall?

- a. function.rainfall.sort;
- b. rainfall(sort);
- c. sort(rainfall(A, B));
- d. rainfall.sort();

20. Given the following array, which will return the numeric index value of the element "tennis" and store it in a variable named **tennis**?

```
var sports = ["football", "baseball", "soccer", "tennis", "basketball", "wrestling"];
```

- a. tennis = 3;
- b. tennis = sports(3);
- c. tennis = sports.indexOf("tennis");
- d. none of these

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**BONUS:**

Using the markup code below and **without** any modification to the existing HTML below:  
Write or type the JavaScript code which will print out all even numbers between 1 and 100 and display the results within the given `<div id="count"></div>` element below. Each number must display on a separate line. (TIP: Test your code in a browser)

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Quiz 2 - Bonus</title>
</head>
<body>

  <div id="count"></div>

<script>
/*  INSERT JavaScript CODE HERE  */
```

```
</script>
```

```
</body>
</html>
```