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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

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!
         Math is not fun!
c. Wrong!   d. Wrong!
         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. Math.random() * 10; b. Math.floor(Math.random() * 1 + 10);
c. Math.random() * 10 + 1; d. Math.floor(Math.random() * 10 + 1);

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

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

a. $y = 2$; b. y c. $y < 6$; d. 6

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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");

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   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

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 /*




  [speech bubble icon]





</script>

</body>
</html>
```