

Homework assignment 9

Exam #3 practice questions. Make sure to upload answers to my website in either .txt or .html format. **Microsoft word documents or .rtf will NOT be accepted.**

1. Given the following code...

Consider the following for loop

```
var m = 5;
var k = 40;

for ( var x = 1 ; x <= 3 ; x++ ) {

    k = k - x + m;
    m--;
}
```

What is the final value that will be assigned to k?

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2. Given the following code...

```
var msg = "";
var n = 6;

for( var count = 4; count <= n; count++ ) {
    if( count % 2 != 0 ) {
        msg += "<div>" + ( count + 2 ) + "</div>";
    }
    else {
        msg += "<div>" + ( count * 3 ) + "</div>";
    }
}
```

What is final value assigned to the msg variable?

3. Write a loop that will print all of the even numbers from 1 to 1000
Assign your output to an 'msg' variable.

4. Given the following code...

```
var w = 15;
var x = 17;
var y = x;
var z = w;

while( x > 14 ) {

    if( y == x ) {

        y = z + 1;
        z = z + y;
    }
    else {

        y = y + 3;
        z = x + 2;
    }

    x --;
}
```

What is the final value assigned to z?

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5. Suppose the following function...

```
function doMath( num1, num2, num3 ) {  
    return num1 * num2 + num3;  
}
```

is called with the following code

```
var x = 7;  
var y = 10;  
var z = 15;  
var sum = 0;  
  
for( var count = 2; count <= 4; count++ ) {  
    x++;  
    y - -;  
    z = z + x;  
    sum += doMath( x, y, z );  
}
```

What is the final value assigned to sum?

6. Given the following code...

```
var num1 = 31;
```

```
var num2 = 96;
```

```
var num3 = 22;
```

```
var temp = num2;
```

```
var num3 = temp + num1;
```

```
num1 = num1 + num3
```

```
var num4 = num3 + 11;
```

```
num2 = num4;
```

```
var ans = num1 + num2 + num3;
```

What is the final value that is assigned to 'ans'?