

Dynamic Web Authoring – COM 353

JavaScript II

Task 0 – Get Informed

Read through the lecture notes and linked resources provided before starting the practical exercises.

Task 1 – Analyze and Explain

Explain the following JavaScript statements and what would be the result of each statement.

```
var myAge =45;
myAge += 4;
myAge ++;
myAge == 40+10;
myAge <=38;
myAge =40;
```

Task 2 – Hands on with JS

Create a HTML document as below:

```
<!DOCTYPE html>
<head><title></title>
<script language=javascript type=text/javascript>

    <!--
    //hides script

    // ends script hiding -->
</script>
</head>
<body>
</body>
</html>
```

Insert the following statements to the <script> block, between the *//hides script* and *//ends script hiding* segments. Ensure sure you type in the code, do not copy and paste:

```
var myAge =45;
myAge += 4;
myAge = "My age is" + " " + myAge;
window.document.write (myAge);
```

What is the value of myAge after the statement myAge = "My age is" + " " + myAge ?

Explain what has occurred.

Add the rest of the statements in Task 1 one by one after 'myAge +=4;' and check the results against your initial explanation. Explain any discrepancies.

Task 3 – More JS

What is the value of the variable myTextContainer after running the block of the following script codes?

```
var myTextContainer = "A web browser ";
myTextContainer += "will follow your instructions ";
myTextContainer += "exactly and without an argument.";
```

Modify the html file in Task 2 to check your answer.

Task 4 – Error Identification

There are 6 errors in the following script, find the errors and correct them.

```
<html>
<head>
    <title> Finding Errors</title>
</head>
<body bgColour="yellow" text="blue">
<script type = "text/javascript"
var course = imd/ict;
var type = "full time"
var year = 2;
```

```
var lfunction = "learning";
year +=2
document.write("I am " + lfunction + " "+ corse + " for "+
year +" years,"+type);
</script>
</body>
</html>
```

Check your revised script in a web browser. Explain the errors.

Task 5 - Update the Learning Log

In learning log, summarise the learning activities and the techniques you used, also provide the links to the html files that you developed in the above tasks.