



University  
of Windsor

School of Computer Science  
<https://cs.uwindsor.ca>

COMP-3077 Winter 2024  
Web Data Management

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### Instructions:

- **5 points** for complete work. This assignment should be done individually. Late submission is subject to 10% per late day penalty.
- **Due date: Friday Feb 2<sup>nd</sup>.**
- Create assignment2 folder in the assignments folder on myweb. The folder structure of this assignment should look like this:
- HTML and PHP files must be uploaded into html folder and CSS files must be uploaded into css folder.
- Submit the links for html files on Brightspace.
- Answer question 5 in the comment part of the assignment's submission.



### Questions:

1. Download *table.html* and *table.css* from COMP-3077 Brightspace site under Resources tab in the top navbar. Open *table.html* and edit it as follows:

a. Link *table.html* to *table.css* externally by adding the following lines into *table.html*:

```
<head>
```

```
<link rel="stylesheet" type="text/css" href="../../css/table.css">
```

```
</head>
```

b. Modify the hover css rule in *table.css* to make it work for the table row instead of the table data-cell when the mouse hover over a row.

2. In html folder, create 2 webpages *myform.html* and *process\_number.php* that do the following tasks:

a. *myform.html* must have a form that sends its variables, using the “GET” method, to *process\_number.php*, the form should include 2 input elements to enter the form data and a submit button to submit the data. The 2 variables are a textbox with a name =”num”, and a drop down list with a name=”functiontype” as shown in the following code:



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```
number: <input type="text" name="num" />

function: <select name="functiontype" >

<option value="1"> Square </option>

<option value="2"> Square root </option>

</select>
```

b. *process\_num.php* must receive the values of the 2 input elements using `$_GET` function, then you will implement the 2 functions.

The first function is *print\_sqaure* takes an integer value and prints the square of it.

The second function named *print\_sqrt* takes an integer value and prints the square root of it.

The output of those functions are something like:

The square of 4 is: 16

The square root of 9 is: 3

Note: the square root function in php is `sqrt()`, e.g., `sqrt(9) = 3`

3. Implement a switch statement that takes the received `$functiontype` variable in the switch condition, and call `print_sqaure($num)` when `$functiontype = 1`, and `print_sqrt($num)` when `$functiontype = 2`; otherwise, the statement will print “No values are received”.

4. Download *form.css* from the COM-3077 Brightspace site. Upload it to css folder, link *myform.html* externally to *form.css*. Turn on the responsiveness in *form.css* using the right attributes.

5. How many breaking points in *form.css* for the screen you’re working with and what is the range of sizes for each targeted screen size. Answer this question in the comment part of the assignment submission.