Web Technology Assignment

XHTML/CSS

**What does the property “float” stand for ?**

In CSS scripts, “Float” is used in a block and offers the property that a text can be display on the side of this block. Without this property, the text has to be above or below the block.

**What is the property “overflow” ?**

In CSS scripts, “overflow” is used to manage the exceeding content of a block by using scroll bar or set visible or invisible all exceeding content of an element.

**Which web browsers are supporting CSS3 and HTML 5 today ? (Bonus)**

The minimal require versions of browsers are Chrome 25, Firefox 20, Opera 12, and Safari 5.1. Now, Internet Explorer (IE) is able to support CSS3 and HTML5.

**What is the framework “modernizr” for ? (Bonus)**

“Modernizr” allow you to support HTML5 and CSS3 even if your browser do not support it. It use external resources.

LAMP Configuration

**What is the command to know if apache is running or not ?**

The command line is the following:

>Ps aux |grep apache

It shows all apache processes which are running on the devise.

**Describe what you see and what mean each lines of :**

<Directory ${HOME}/public\_html> //  
Options Indexes FollowSymLinks MultiViews // authorizes the directory listing if no index page is present and follow symlink and also search unknown file  
AllowOverride None //Impossible to use .htaccess file  
Order allow,deny //  
allow from all  
</Directory>

**What are “logs” ? Is it specific to apache?**

The logs display all event of a processes execution. Logs of a database or a process can be helpful if there are execution errors because it displays at what to the execution failed.

**Change the “max\_execution\_time”. Is it working? Why?**

The “max\_execution\_time” determine how many times will last the script execution. It was useful when we put an infinite loop in the code. The execution stops not at the end of the loop but at the end of the “max\_execution\_time”.

**What is the difference between apache & nginx ?**

These are two web servers. Apache is a process-based server and nginx is an event based server.

**Same question with node.js ?**

Node.js is a server. It runs with JavaScript. This is a built-in HTTP server library. Apache is not compulsory to use node.js

**What is the goal of less? Try to write LESS:** [**http://lesscss.org/**](http://lesscss.org/)

LESS is a CSS extension, allowing us to use functions and variables in the CSS style sheets.

PHP Basics

**Try ending this code snippet by adding lines in order to have printed "Hello terminator ! The time is [time]"**

<?php

$current\_Date = date ('H:i:s');

$username = 'ClaudeRobin';

echo ‘Hello ’.$username ;

echo 'The time is the following : ’.$date ;

?>

**There are 4 kinds of loops and describe each loop:**

* **While**

This loop is running while the conditions in parameters is not true

* **do … while**

The same as while loop except that we must pass once in the loop.

* **for()**

This is a simple loop. The number of the loop is determine in the parameters.

* **foreach**

It is used with array. It includes the fetch() and decomposed the array one occurrence by one occurrence.

PHP Advanced

**What is the purpose of print\_r() function? (see php.net)**

The function print\_r() ­­­display all content of an array which have n dimensions. Each dimension are indented for a better comprehension.

**What is the difference between GET or POST ?**

Both of these variables are used to transmit information. It transmits this by different ways. $\_GET retrieve information contains in the URL and the $\_POST retrieve information send in a form in a form.

**How do we call vars beginning by “$\_”**

Variables which begins with a “$\_” are called super global variables. For example, $\_POST, $\_GET, $\_SESSION are super global variables. They can be uses in any context and do not have specific scope.

Organize your code

**What do the XHTML represent? The view, the model or the controller?**

XHTML is the language used in the view part of our code. It is a generation of HTML which is an scalable language.

**What is a “Front controller pattern”?**

This pattern guarantees the centralization of every requests of the active session. It also instantiates objects and can call methods in the application.

Database

* 1. Database : Select & Insert

**Explain, line by line, this code, in your report.**

**<?php**

**$pdo\_options[PDO::ATTR\_ERRMODE] = PDO::ERRMODE\_EXCEPTION;** //Define the variable $pdo\_option to trigger an exception when there is an error

**$bdd = new PDO('mysql:host=sql-users.ece.fr;dbname=DBNAME;port=3305', 'username', 'password', $pdo\_options);** //Connection to the database

**$answer = $bdd->query('SELECT pseudo, idAdmin FROM Member');** //$answer variable get the result of the query in the query() function

**while ($data = $answer->fetch())** //While there are occurrence not treated in the loop

**{**

**echo $data['pseudo'] . ' , isAdmin ' . $data['isAdmin'] . '<br />';**  //It display the pseudo and the value of isAdmin of the current occurrence

**}**

**$answer>closeCursor();** //It closes the connection with the bdd for answer

**?>**

* 1. Database

**What is the query to delete all Members with isAdmin equals to 1 ?**

**$answer=$PDOobject->query** (‘DELETE FROM member WHERE isAdmin=1 ’);

**What is the code to delete rows with an empty email ?**

**$answer=$PDOobject->query** (‘DELETE FROM member WHERE email is null or email like””);