Lab 9 ( to be done in pairs)

This lab must be shown to the Professor and a record of completion will be kept.

PHP Arrays and Functions and Forms practice

1. Create an html document that indicates it will create a multiplication table. Your html document must have a form that asks the user for an integer.

When the submit button is pressed the server must call a php file that generates the appropriate table.

Note: you must create both the html and php documents.

1. Create an html form that asks the user to enter an even number. When the user enters the number and submits the form, a php file must be run that uses a function to check if the user input is even or not. An appropriate answer must be put on the generated webpage.

**PHP functions for verifying variables**

Using == to check for an empty string works, but there’s a better way that involves built-in PHP functions.

The isset() function tests to see if a variable exists, which means that it’s been assigned a value.

The empty() function takes things one step further and determines whether a variable contains an empty value, which PHP defines as 0, an empty string

('' or ""), or the values false or NULL. So isset() only returns true if a variable has been assigned a value, while empty() only returns true if a variable has been set to 0, an empty string, false, or NULL.

Examples To check if a parameter has a value (isset)

$v1 = 'aloha';

$v2 = '';

if (isset($v1)) { echo '$v1 is set<br />'; }

if (empty($v1)) { echo '$v1 is empty<br />';}

if (isset($v2)) { echo '$v2 is set<br />'; }//is ‘set’even though the string is empty

if (empty($v2)) { echo '$v2 is empty<br />';} }//is empty because the string is empty

if (isset($v3)) { echo '$v3 is set<br />'; }// does not exist

if (empty($v3)) { echo '$v3 is empty<br />'; }// is considered empty even though it does not exist

**Useful PHP functions :**

is\_numeric($a) - returns true of false depending if the parameter is numeric in nature

Transfer to new page header('Location: <path to new page>');

**Methods for passing information between php scripts :**

Passing information using GET

//first script

header('Location: otherScript.php?var1=val1&var2=val2');

// second script

$myVar = $\_GET['var1'];

Passing as hidden values

<input type='hidden'

Passing information using a session super Global

// first script

session\_start();

$\_SESSION['varName'] = 'varVal';

header('Location: second\_script.php'); // go to other

// second script

session\_start();

$myVar = $\_SESSION['varName'];

Example of Button Linking..

<form action = "menuRedirect.php" method = "post">

<input type="submit" name ="add" value="Add" name="submit" />

<input type="submit" name ="print\_a" value="Print Ascending" name="submit" />

<input type="submit" name="print\_b" value="Print Descending" name="submit" />

<input type="submit" name="clear" value="Clear" name="submit" />

</form>

<?php

if (isset($\_POST['add'])){

echo "add button clicked";

}

if (isset($\_POST['print\_a'])){

echo "print ascending clicked";

}

if (isset($\_POST['print\_b'])){

echo "print descending clicked";

}

if (isset($\_POST['clear'])){

echo "clear clicked";

}

?>

1. Create a php solution that displays the four buttons:

‘Add Name’

‘Print all ascending’

‘Print all descending’

‘Clear all Names’

If “add name” button is clicked, the name must be added to an array.

If the “print all ascending” button is clicked, all the names in the list must be printed in ascending order.

If the “print all descending” button is clicked, all the names in the list must be printed in descending order.

If the “clear all names” button is clicked, all of the array must be cleared.

**Note: ALL generated pages must show all the buttons**.

1. Create a website that allows users to record the users first name last name and email to a database and also view the email of a person by putting in their first name, last name or both.

Note:

1. Before saving, all fields must be non-empty.
2. If a person cannot be found display an appropriate message.