

LAB 11 – PHP

At the end of this lab, students should be able to:

- Write simple PHP codes and execute them on the server.
- Use forms, conditional statements, loops, functions and arrays in PHP.

Guides

- Start your **Apache** server in **XAMPP**.
- Go to **C:** drive. Double click on **XAMPP**. Double click on **htdocs**. In this htdocs folder create another folder called **Lab11**.
- All the files for this lab must be saved into this Lab11 folder. Name all your files as *question1.php*, *question2.php*, *question3.php*, etc.
- Run each of your lab questions as shown below:
 - Open any browser.
 - Type at the URL: <http://localhost/Lab11/question1.php>. Please DO NOT double click on the php file to execute it.

Question 1

This PHP program will either do an addition or multiplication calculation depending on which button is clicked.

- If the “*Add All Number*” button is clicked:
 - Add all the numbers from 1 to the number entered by the user.
 - Example: If the user entered 5, the result should be 1+2+3+4+5.
 - Use a **for loop**.
- If the “*Multiply*” button is clicked:
 - Multiply all the numbers from 1 to the number entered by the user.
 - Example: If the user entered 6, the result should be 1x2x3x4x5x6.
 - Use a **while loop**.
- The sample output is shown below.

Enter a number :

The total of all numbers is 15

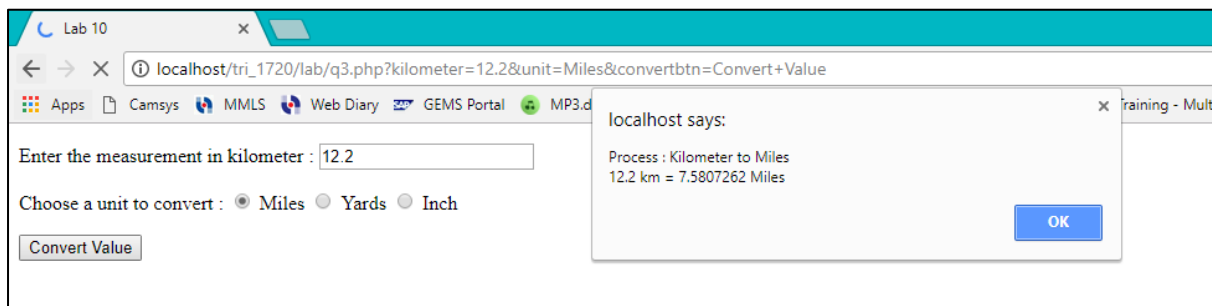
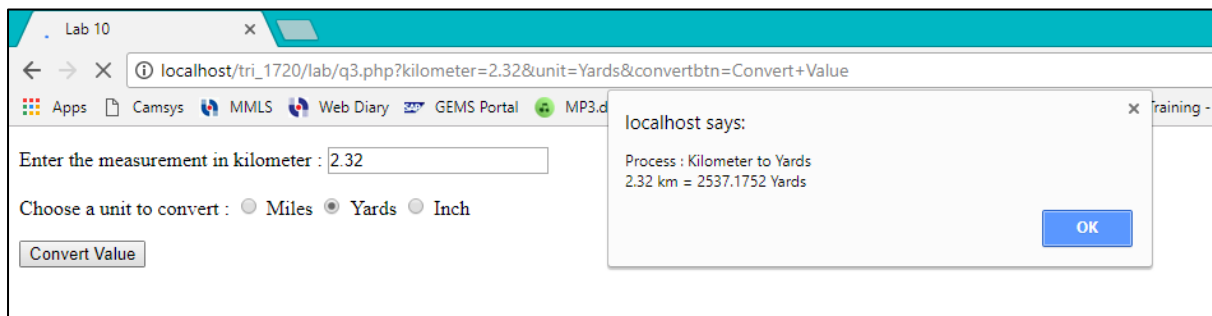
Enter a number :

The product of all numbers is 720

Question 2

Write the PHP codes to convert values in kilometer to either miles, yards or inches.

- Declare 3 constants:
 - MILE_RATE is 0.621371
 - YARD_RATE is 1093.61
 - INCH_RATE is 39370.1
 - (hints: inside PHP code, → **define ("MILE_RATE", 0.621371);**)
- When the "Convert Value" button is clicked:
 - Get the kilometer value from the form.
 - Use **switch case** statement to identify the type of conversion and calculate the conversion value.
 - Display the result as shown below using **JavaScript alert box**.
 - Question??? : How do you pass a PHP variable to JavaScript?? ☺



Question 3

This program will calculate the bill for a customer based on the item that they have bought.

- Firstly, check whether the *sendbtn* was clicked. If it was clicked:
 - Retrieve the values of brand and size from the form.
 - Call function *get_price(...)* and pass the brand as argument.
 - Call function *get_extra(...)* and pass the size as argument.
 - Calculate the total price.
 - Call function *display(...)* to display the receipt.
- In function *get_price(...)*:
 - Using a **switch case** statement identify and return the price of the item based on the brand.
- In function *get_extra(...)*:
 - Using a **if..else** statement identify and return the extra charges based on the size.
- In function *display(...)*:
 - Display the receipt on the browser as shown below.

Brand : Adidas (RM 25.00) ▼

Size : ☐ Small (Extra RM 5.00) ☐ Large (Extra RM 10.00) ☒ Extra Large (Extra RM 15.00)

Calculate

Brand : Adidas

Price : \$ 25.00

Size : Extra Large

Bill : \$ 40.00

Question 4

This form calculates the bill payment based on ASTRO channel subscriptions of a user.

- If the billbtn is clicked:
 - Get the bill type and channels from the form.
 - If the bill type is "Post" there will be extra charge of RM 3.00. Otherwise no extra charges will be imposed.
 - Using a **for loop**:
 - Identify which checkbox the user has checked.
 - Using a **switch case** statement identify the channels or packages subscribed by the user.
 - The *Sports* channel costs RM25.00. The *Movie* channel costs RM40.00 and the *Kids* channel costs RM16.00.
 - Calculate all necessary costs.
- Calculate the total bill with and extra 6% SST. Set this as a constant.
- Display the bill to the user as shown below.

<u>ASTRO BILL STATEMENT</u>	<u>ASTRO BILL STATEMENT</u>
Additional Channels : <input type="checkbox"/> Sports <input type="checkbox"/> Movie <input type="checkbox"/> Kids	Additional Channels : <input type="checkbox"/> Sports <input type="checkbox"/> Movie <input type="checkbox"/> Kids
Bill Type: <input type="radio"/> Email <input type="radio"/> Post	Bill Type: <input type="radio"/> Email <input type="radio"/> Post
<input type="button" value="Send"/>	<input type="button" value="Send"/>
Your subscription : Sports (RM25.00) Movie (RM40.00)	Your subscription : Kids (RM16.00)
Bill Cost : RM0.00 Total : RM65.00 SST : RM3.90 Bill : RM68.90	Bill Cost : RM3.00 Total : RM19.00 SST : RM1.14 Bill : RM20.14