Functions Exercise

## **Write a program to create Calculator functionality.**

User Inputs contain two input fields to enter numbers, a dropdown selection for the operation (addition, multiplication, division, subtraction) and submit button.

If user does not select any operation, then “Addition” must be performed

Note: Create only one function.

**Example:**

Input:

$a=20;

$b=10;

**Expected Output**

Addition Result: 30

Multiplication Result: 200

Subtraction Result: 10

Division Result: 2

Total Operations: 4

## **Swap Two Numbers**

Create form which takes two numbers from input field and on submission it should display swapped values

Note: Create one function which should not return any value

Input

First Number: 10

Second Number: 20

Expected Output

First Number: 20

Second Number: 10

## **Write a program to create Calculator functionality.**

Take two numbers as input and on submission it should display all results of different operations (addition, multiplication, division, subtraction) and count “Number of operations performed”

Note: Create only one function.

Example:

Input:

$a=20;

$b=10;

Expected Output:

Addition Result: 30

Multiplication Result: 200

Subtraction Result: 10

Division Result: 2

Total Operations: 4

## **Implement same calculator functionality with all operations.**

Create function with only one argument (type of operation), perform all operations for numbers 20 and 10 and outputs the result

Note: Numbers must not be declared inside the function

## **Display multidimensional array values at single level using function.**

Array ( [a] => 100

[b] => 200

[c] => Array ( [c1] => 300 [c2] => 400 )

[d] => 500

[e] => Array ( [e1] => 600 [e2] => 700

) )

Output should be:

Array ( [a] => 100 [b] => 200 [c1] => 300 [c2] => 400 [d] => 500 [e1] => 600 [e2] => 700 )

## **Create one form which contains 5 person’s Name and birthdate of person.**

On submit make table of entered data like below using function:

|  |  |  |  |
| --- | --- | --- | --- |
| Sr No | Name | Age | Delete |
| 1. | John | 25 | Delete button |

Give delete button in every row which deletes that particular row on click.

1. **Take 7 random numbers as input using form and store them in array.**

Print that array and second array of values which are above 100. Filtered array should be sorted descending.

Do not use predefined array functions.

Output should be:

Array(38, 230, 19, 2, 55, 7, 977)

Array( 977, 230)

Use three functions –

* one to check condition that value is above 100 or not
* one to filter array based on condition
* one for sorting.

1. **List out php bulitin function Call By reference and call By value**