**WEEK-8 Tutorial (ICT502)**

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**Student Name: RAHUL TUNDIYA**

**PHP CALCULATOR ASSIGNMENT**

**Code:**

<!DOCTYPE html>

<html>

<head>

    <title>Using functions</title>

    <style>

    body {

        font-family: system-ui;

        background-color: #f0f0f0; /\* Light gray background \*/

        margin: 0;

        padding: 0;

    }

    #page-wrap {

        /\* margin: 50px auto;   \*/

        padding: 50px;

        border-radius: 50px; /\* Rounded corners \*/

    }

    h1 {

        text-align: center;

        margin-bottom: 20px;

        color: #0c097d; /\* Dark red heading color \*/

        font-style:italic;

    }

    form {

        display: flex;

        flex-direction: column;

         align-items: center;

    }

    p {

        margin: 10px 0;

        text-align: left;

        font-weight: bold;

        color: #4410db; /\* Dark Blue paragraph color \*/

    }

    input[type="number"], input[type="submit"] {

        padding: 10px;

        margin-bottom: 10px;

        border: none;

        border-radius: 6px; /\* Rounded corners \*/

        width: 150px;

        box-sizing: border-box;

        background-color: #333; /\* Black input background \*/

        color: #d8d9f3; /\* Red text color \*/

        transition: background-color 0.3s, color 0.3s; /\* Smooth transition on hover \*/

    }

    input[type="number"]:focus, input[type="submit"]:hover {

        background-color: #4410db; /\* Dark blue background on hover \*/

        color: white;

    }

    input[readonly] {

        padding: 10px;

        margin-bottom: 10px;

        border: none;

        border-radius: 6px; /\* Rounded corners \*/

        width: 150px;

        box-sizing: border-box;

        background-color: #2b5d11; /\* Dark green background \*/

        color: white; /\* White text color \*/

    }

</style>

</head>

<body>

    <div id="page-wrap">

        <h1>Calculator by Rahul Tundiya (S20241757)</h1>

        <?php

$Number\_no\_1 = $\_POST['Number\_no\_1'] ?? '';

$Number\_no\_2 = $\_POST['Number\_no\_2'] ?? '';

$Result = $\_POST['operator\_specified'] ?? '';

$compute = '';

function addition($a, $b) {

    return $a + $b;

}

function subtraction($a, $b) {

    return $a - $b;

}

function multiplication($a, $b) {

    return $a \* $b;

}

function division($a, $b) {

    return ($b != 0) ? $a / $b : "Undefined";

}

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

    if ($Result == "Sum") {

        $compute = addition($Number\_no\_1, $Number\_no\_2);

    } elseif ($Result == "Subtraction") {

        $compute = subtraction($Number\_no\_1, $Number\_no\_2);

    } elseif ($Result == "Multiplication") {

        $compute = multiplication($Number\_no\_1, $Number\_no\_2);

    } elseif ($Result == "Division") {

        $compute = division($Number\_no\_1, $Number\_no\_2);

    } else {

        $compute = "";

    }

}

?>

<form action="" method="post" id="quiz-form">

    <p>  <b>First Number</b>

        <input type="number" name="Number\_no\_1" id="Number\_no\_1" required="required" value="<?php echo $Number\_no\_1; ?>" />

    </p>

    <p>  <b>Second Number</b>

        <input type="number" name="Number\_no\_2" id="Number\_no\_2" required="required" value="<?php echo $Number\_no\_2; ?>" />

    </p>

    <p>  <b> <?php echo $Result; ?> Result</b>

        <input readonly="readonly" name="CalculatorResult" value="<?php echo $compute; ?>">

    </p>

    <p>

        <input type="submit" name="operator\_specified" value="Sum" />

        <input type="submit" name="operator\_specified" value="Subtraction" />

        <br/>

        <input type="submit" name="operator\_specified" value="Multiplication" />

        <input type="submit" name="operator\_specified" value="Division" />

    </p>

</form>

    </div>

</body>

</html>

**Output:**







