**PA4**

Write a simple PHP program with a user interface for a mathematical calculator using HTML forms.

**PHP Calculator**

```
Enter first number    [+ ▾] Enter second number    [Calculate]
                       [ + ]
                       [ - ]
                       [ * ]
                       [ / ]
```

```
<!DOCTYPE html>
<html>
<head>
    <title>Simple PHP Calculator</title>
</head>
<body>

<h2>Simple PHP Calculator</h2>

<form method="post">
    <input type="text" name="n1" placeholder="Enter First number">

    <select name="op">
      <option value="+">+</option>
      <option value="-">-</option>
      <option value="*">*</option>
      <option value="/">/</option>
    </select>
     <input type="text" name="n2" placeholder="Enter Second number">
    <input type="submit" name="submit" value="Calculate">
</form>

<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $n1 = $_POST['n1'];
    $n2 = $_POST['n2'];
    $op = $_POST['op'];
```

```php
    // Checking if both operands are numeric
    if (!is_numeric($n1) || !is_numeric($n2)) {
        echo "Please enter valid numeric operands.";
    } else {
        // Performing calculation based on the selected operator
        switch ($op) {
            case '+':
                $result = $n1 + $n2;
                echo "Result: $n1 $op $n2 = $result";
                break;
            case '-':
                $result = $n1 - $n2;
                echo "Result: $n1 $op $n2 = $result";
                break;
            case '*':
                $result = $n1 * $n2;
                echo "Result: $n1 $op $n2 = $result";
                break;
            case '/':
                // Checking if the second operand is not zero for division
                if ($n2 == 0) {
                    echo "Cannot divide by zero.";
                } else {
                    $result = $n1/ $n2;
                    echo "Result: $n1 $op $n2 = $result";
                }
                break;
            default:
                echo "Invalid operator selected.";
        }
    }
}
?>
</body>
</html>
```

**PA5**

Write a PHP program with a user interface for calculating age based on the user's birth date. Display the age in years, months, and days

## Age Calculator

Enter your birth date: `17-05-2004` 📅 `Calculate Age`

**Your age is 19 years, 9 months, and 8 days.**

```
<!DOCTYPE html>
<html>
<head>
    <title>Age Calculator</title>
</head>
<body>

<h2>Age Calculator</h2>

<form method="post">
    Enter your birth date: <input type="date" name="birthdate">
    <input type="submit" name="calculate" value="Calculate">
</form>

<?php
if(isset($_POST['calculate'])) {
    // Get the birth date from the form
    $birthdate = $_POST['birthdate'];

    // Calculate age
    $bdate_tstamp = strtotime($birthdate);
    $cdate_tstamp = time();
    $age_in_seconds = $cdate_tstamp - $bdate_tstamp;

    // Convert seconds to years, months, and days
    $age_years = floor($age_in_seconds / (365.25 * 24 * 60 * 60));
```

```php
    $age_months = floor(($age_in_seconds - ($age_years * 365.25 * 24 * 60 * 60)) / (30.44 * 24 * 60 * 60));
    $age_days = floor(($age_in_seconds - ($age_years * 365.25 * 24 * 60 * 60) - ($age_months * 30.44 * 24 * 60 * 60)) / (24 * 60 * 60));

    // Display the age
    echo "<p>Your age is $age_years years, $age_months months, and $age_days days.</p>";
}
?>


</body>
</html>
```