

## Date Difference Calculation Result

The difference between the two selected dates is calculated in years.

### 1. HTML form (home.html)

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Date Difference Form</title>

</head>

<body>

  <h2>Calculate Difference in Years</h2>

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

    <label for="start_date">Start Date:</label>

    <input type="date" id="start_date" name="start_date" required><br><br>

    <label for="end_date">End Date:</label>

    <input type="date" id="end_date" name="end_date" required><br><br>

    <input type="submit" value="Calculate Difference">

  </form>

</body>
```

## 2. PHP page (process.php)

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Get the dates from the form
    $start_date = $_POST['start_date'];
    $end_date = $_POST['end_date'];

    // Convert the dates into DateTime objects
    $start = new DateTime($start_date);
    $end = new DateTime($end_date);

    // Calculate the difference between the two dates
    $difference = $start->diff($end);

    // Get the difference in years
    $years = $difference->y;

    echo "The difference between " . $start_date . " and " . $end_date . " is " . $years . " year(s).";
}
else {
    echo "Please submit the form.";
}
?></html>
```

### 3. DateTime Object

The `DateTime` class is used to represent a date and time in PHP. It allows you to perform various operations on dates, such as formatting, modification, and comparison.

#### Creating a DateTime Object:

You can create a `DateTime` object using the new `DateTime()` constructor. The constructor accepts an optional date/time string. If no string is provided, it will default to the current date and time.

```
// Create a DateTime object with the current date and time

$currentDate = new DateTime();

// Create a DateTime object with a specific date

$specificDate = new DateTime('2023-10-16');
```

### 4. diff() Method

The `diff()` method is used to calculate the difference between two `DateTime` objects. It returns a `DateInterval` object that contains the difference in various units (years, months, days, etc.).

```
// Create two DateTime objects

$date1 = new DateTime('2020-01-01');
$date2 = new DateTime('2024-10-16');

// Calculate the difference

$interval = $date1->diff($date2);

// Access the difference in years, months, days, etc.

echo "Difference: " . $interval->y . " years, " . $interval->m . " months, " . $interval->d . " days.";
```