

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>PHP Operators</title>
5 </head>
6 <body>
7     <h1>PHP Operators Example</h1>
8     <?php
9         // Arithmetic operators
10        $a = 10;
11        $b = 5;
12        echo "Addition: ", $a + $b, "<br>";
13        echo "Subtraction: ", $a - $b, "<br>";
14        echo "Multiplication: ", $a * $b, "<br>";
15        echo "Division: ", $a / $b, "<br>";
16        echo "Modulus: ", $a % $b, "<br>";
17
18        // Assignment operators
19        $c = 10;
20        $c += 5;
21        echo "Assignment: ", $c, "<br>";
22
23        // Comparison operators
24        $d = 10;
25        $e = 5;
26        echo "Equal to: ", $d == $e, "<br>";
27        echo "Not equal to: ", $d != $e, "<br>";
28        echo "Greater than: ", $d > $e, "<br>";
29        echo "Less than: ", $d < $e, "<br>";
30        echo "Greater than or equal to: ", $d >= $e, "<br>";
31        echo "Less than or equal to: ", $d <= $e, "<br>";
32
33        // Logical operators
34        $f = true;
35        $g = false;
36        echo "Logical AND: ", ($f && $g), "<br>";
37        echo "Logical OR: ", ($f || $g), "<br>";
38        echo "Logical NOT: ", (!$f), "<br>";
39
40        // Increment and Decrement operators
41        $h = 10;
42        $h++;
43        echo "Increment: ", $h, "<br>";
44        $h--;
45        echo "Decrement: ", $h, "<br>";
46
47        // Concatenation operator
48        $str1 = "Hello";
49        $str2 = " World";
50        echo "Concatenation: ", $str1 . $str2, "<br>";
51
52        // Conditional (Ternary) operator
53        $i = 10;
54        $j = ($i > 5) ? "Greater than 5" : "Less than or equal to 5";
55        echo "Ternary: ", $j, "<br>";
56        ?>
57 </body>
58 </html>
59
```

p2.php X

p2.php

```
6 <body>
7 <h1>PHP Conditional and Iterative Statements Example</h1>
8
9 <?php
10 // Conditional statement (if-else)
11 $num = 10;
12 if ($num > 0) {
13     echo "$num is positive.<br>";
14 } elseif ($num < 0) {
15     echo "$num is negative.<br>";
16 } else {
17     echo "$num is zero.<br>";
18 }
19
20 // Iterative statement (for loop)
21 echo "<h2>Counting from 1 to 5 using for loop:</h2>";
22 for ($i = 1; $i <= 5; $i++) {
23     echo "$i ";
24 }
25
26 // Iterative statement (while loop)
27 echo "<h2>Counting from 1 to 5 using while loop:</h2>";
28 $j = 1;
29 while ($j <= 5) {
30     echo "$j ";
31     $j++;
32 }
33 ?>
34
35 </body>
36 </html>
37
```

p3.php X

p3.php

```
5 </head>
6 <body>
7     <h1>PHP Date Methods Example</h1>
8
9     <?php
10         // Current date and time
11         echo "<h2>Current date and time:</h2>";
12         echo "Today is " . date("Y-m-d") . "<br>";
13         echo "The current time is " . date("h:i:sa") . "<br>";
14
15         // Date manipulation
16         echo "<h2>Date manipulation:</h2>";
17         $dateString = "2022-12-31";
18         $date = date_create($dateString);
19         date_add($date, date_interval_create_from_date_string("1 day"));
20         echo "Tomorrow will be " . date_format($date, "Y-m-d") . "<br>";
21
22         // Formatting a specific date
23         echo "<h2>Formatting a specific date:</h2>";
24         $dateString = "2023-06-15";
25         $date = date_create($dateString);
26         echo "Formatted date: " . date_format($date, "l, F j, Y") . "<br>";
27
28         // Getting parts of a date
29         echo "<h2>Getting parts of a date:</h2>";
30         $today = getdate();
31         echo "Today is " . $today['weekday'] . ", " . $today['month'] . " " . $today['mday'] . ", " . $today
           ['year'] . "<br>";
32     ?>
33
34 </body>
35 </html>
36
```



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>PHP String Methods Example</title>
5 </head>
6 <body>
7     <h1>PHP String Methods Example</h1>
8
9     <?php
10    // String length
11    $str = "Hello World";
12    echo "<h2>String length:</h2>";
13    echo "Length of \"$str\" is " . strlen($str) . "<br>";
14
15    // Convert string to lowercase
16    echo "<h2>Convert string to lowercase:</h2>";
17    echo "Lowercase: " . strtolower($str) . "<br>";
18
19    // Convert string to uppercase
20    echo "<h2>Convert string to uppercase:</h2>";
21    echo "Uppercase: " . strtoupper($str) . "<br>";
22
23    // Extract substring
24    echo "<h2>Extract substring:</h2>";
25    echo "Substring: " . substr($str, 6) . "<br>";
26
27    // Replace substring
28    echo "<h2>Replace substring:</h2>";
29    echo "Replaced string: " . str_replace("World", "Universe", $str) . "<br>";
30
31    // Concatenate strings
32    $str1 = "Hello";
33    $str2 = "PHP";
34    echo "<h2>Concatenate strings:</h2>";
35    echo "Concatenated string: " . $str1 . " " . $str2 . "<br>";
36
37    // Split string into array
38    $str = "apple,banana,orange";
39    $fruits = explode(",", $str);
40    echo "<h2>Split string into array:</h2>";
41    echo "Fruits: ";
42    foreach ($fruits as $fruit) {
43        echo $fruit . " ";
44    }
45    ?>
46 </body>
47 </html>
48
```

p5.php x

p5.php

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>PHP Functions Example</title>
5  </head>
6  <body>
7      <h1>PHP Functions Example</h1>
8
9      <?php
10         // Function to add two numbers
11         function add($a, $b) {
12             return $a + $b;
13         }
14
15         // Function to subtract two numbers
16         function subtract($a, $b) {
17             return $a - $b;
18         }
19
20
21         // Function to check if a number is even
22         function isEven($num) {
23             return ($num % 2 == 0);
24         }
25
26         // Example usage of functions
27         $num1 = 10;
28         $num2 = 5;
29
30         echo "Addition: " . add($num1, $num2) . "<br>";
31         echo "Subtraction: " . subtract($num1, $num2) . "<br>";
32
33         echo "<h2>Check if Number is Even:</h2>";
34         echo "Is $num1 even? " . (isEven($num1) ? "Yes" : "No") . "<br>";
35         echo "Is $num2 even? " . (isEven($num2) ? "Yes" : "No") . "<br>";
```

p6.php x

p6.php

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>PHP Arrays and Array Methods Example</title>
5  </head>
6  <body>
7      <h1>PHP Arrays and Array Methods Example</h1>
8
9      <?php
10         // Creating an array
11         $numbers = array(1, 2, 3, 4, 5);
12
13         // Accessing elements of an array
14         echo "<h2>Accessing elements of an array:</h2>";
15         echo "Element at index 2: " . $numbers[2] . "<br>";
16
17         // Adding an element to the end of an array
18         echo "<h2>Adding an element to the end of an array:</h2>";
19         $numbers[] = 6;
20         echo "Updated array: " . implode(", ", $numbers) . "<br>";
21
22         // Removing the last element from an array
23         echo "<h2>Removing the last element from an array:</h2>";
24         array_pop($numbers);
25         echo "Updated array: " . implode(", ", $numbers) . "<br>";
26
27         // Reversing an array
28         echo "<h2>Reversing an array:</h2>";
29         $reversedNumbers = array_reverse($numbers);
30         echo "Reversed array: " . implode(", ", $reversedNumbers) . "<br>";
31
32         // Sorting an array
33         echo "<h2>Sorting an array:</h2>";
34         sort($numbers);
35         echo "Sorted array: " . implode(", ", $numbers) . "<br>";
36  </?>
37
38 </body>
39 </html>
40
```



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>PHP DDL and DML Operations Example</title>
5 </head>
6 <body>
7     <h1>PHP DDL and DML Operations Example</h1>
8
9     <?php
10     try {
11         // Database connection details
12         $dsn = 'mysql:host=localhost;dbname=test';
13         $username = 'root';
14         $password = '';
15
16         // Create a PDO instance
17         $pdo = new PDO($dsn, $username, $password);
18
19         // Set PDO to throw exceptions on errors
20         $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
21
22         // Create table if not exists
23         $pdo->exec("CREATE TABLE IF NOT EXISTS employees (
24             id INT AUTO_INCREMENT PRIMARY KEY,
25             name VARCHAR(50) NOT NULL,
26             age INT,
27             salary DECIMAL(10, 2)
28         )");
29
30         // Insert data if table exists
31         $pdo->exec("INSERT INTO employees (name, age, salary) VALUES
32             ('John Doe', 30, 50000.00),
33             ('Jane Smith', 25, 60000.00)");
34
35         // Select and display data
36         $stmt = $pdo->query("SELECT * FROM employees");
37         $employees = $stmt->fetchAll(PDO::FETCH_ASSOC);
38
39         echo "<h2>Employees:</h2>";
40         echo "<ul>";
41         foreach ($employees as $employee) {
42             echo "<li>{$employee['name']} (Age: {$employee['age']}, Salary:
43                 {$employee['salary']})</li>";
44         }
45         echo "</ul>";
46     } catch (PDOException $e) {
47         echo "<p>Error: " . $e->getMessage() . "</p>";
48     }
49     ?>
50 </body>
```

p8.php x

p8.php

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>PHP Set Cookie Example</title>
5 </head>
6 <body>
7     <h1>PHP Set Cookie Example</h1>
8
9     <?php
10     // Set a cookie with name 'user' and value 'John Doe'
11     $cookie_name = "user";
12     $cookie_value = "John Doe";
13     // Cookie will expire in 1 hour (3600 seconds)
14     $expiration = time() + 3600; // current time + 1 hour
15
16     setcookie($cookie_name, $cookie_value, $expiration, "/");
17
18     echo "<p>Cookie '$cookie_name' is set with value '$cookie_value'.</p>";
19
20     // Check if the cookie is set
21     if(isset($_COOKIE[$cookie_name])) {
22         echo "<p>Cookie '$cookie_name' is set with value '{$_COOKIE[$cookie_name]}'.</p>";
23     } else {
24         echo "<p>Cookie '$cookie_name' is not set.</p>";
25     }
26     ?>
27 </body>
28 </html>
29
```


p9.php x

```
p9.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>PHP Sessions Example</title>
5  </head>
6  <body>
7      <h1>PHP Sessions Example</h1>
8
9      <?php
10         // Start the session
11         session_start();
12
13         // Check if the session variable 'counter' exists
14         if(isset($_SESSION['counter'])) {
15             // Increment the counter
16             $_SESSION['counter']++;
17         } else {
18             // Initialize the counter
19             $_SESSION['counter'] = 1;
20         }
21
22         // Display the counter value
23         echo "<p>This page has been visited " . $_SESSION['counter'] . " times.</p>";
24
25         // Destroy the session (for demonstration purposes)
26         // session_destroy();
27         ?>
28
29 </body>
30 </html>
31
```