**String**

**1. Length and Substring**

* strlen($string): Returns the length of a string.
* substr($string, $start, $length): Extracts a substring from a string.(0 থেকে 5 পর‌্যন্ত ‍substring return করবে।)

<?php

    $string = "Hello, World!";

*// Get length of a string*

    echo strlen($string); *// Output: 13*

*// Get a substring*

    echo substr($string, 0, 5); *// Output: Hello*

?>

**2. Search and Replace**

* strpos($haystack, $needle): Finds the position of the first occurrence of a substring.( World কোথায় থেকে শুরু হয়েছে তার position return করবে।এখানে World এর W এর ইনডেক্স 7)
* str\_replace($search, $replace, $subject): Replaces occurrences of a substring with another substring.( (এখানে "World" replace হবে "PHP" দ্বারা।)
* str\_ireplace($search, $replace, $subject): Case-insensitive version of str\_replace.(case insensitive)

<?php

    $string = "Hello, World!";

*// Find position of substring*

    echo strpos($string, "World"); *// Output: 7*

*// Replace substring*

    echo str\_replace("World", "PHP", $string); *// Output: Hello, PHP!*

*// Case-insensitive replace*

    echo str\_ireplace("world", "PHP", $string); *// Output: Hello, PHP!*

?>

**3. Case Conversion**

* strtoupper($string): Converts a string to uppercase.
* strtolower($string): Converts a string to lowercase.
* ucfirst($string): Capitalizes the first character of a string.
* ucwords($string): Capitalizes the first character of each word in a string.

<?php

   $string = "hello world";

*// Convert to uppercase*

   echo strtoupper($string); *// Output: HELLO WORLD*

*// Convert to lowercase*

   echo strtolower("HELLO WORLD"); *// Output: hello world*

*// Capitalize first character*

   echo ucfirst($string); *// Output: Hello world*

*// Capitalize first character of each word*

   echo ucwords($string); *// Output: Hello World*

?>

**4. Trim and Pad**

* trim($string): Removes whitespace from both sides of a string.(whitespace remove করে দিবে।)
* ltrim($string): Removes whitespace from the left side.
* rtrim($string): Removes whitespace from the right side.
* str\_pad($string, $length, $pad\_string): Pads a string to a specified length with another(‘PHP’ এর সাথে ’\*’ এ্যাড করবে এবং length হবে ৮।)

<?php

    $string = '   Hello World   ';

*// Trim whitespace*

    echo trim($string); *// Output: "Hello World"*

*// Trim from the left*

    echo ltrim($string); *// Output: "Hello World   "*

*// Trim from the right*

    echo rtrim($string); *// Output: "   Hello World"*

    $string1 = "$#Hello, World!#$";

*// Trim `$` and `#` characters from both ends of the string*

    echo trim($string, "$#"); *// Output: "Hello, World!"*

*// Pad a string*

    echo str\_pad('PHP', 8, '\*', STR\_PAD\_BOTH); *// Output: \*\*PHP\*\*\**

?>

**5. Split and Join**

* explode($delimiter, $string): Splits a string into an array by a delimiter.($string টিতে কমা(,) পেলে $array তে এ্যাড/split হবে।)
* implode($glue, $pieces): Joins array elements into a string with a specified delimiter.(array এর value গুলো মিলে নতুন ‍string তৈরি হবে এবং string এ “-” এটা এ্যাড হবে।)

<?php

   $string = "apple,banana,orange";

*// Split a string into an array*

   $array = explode(",", $string);

   print\_r($array); *//now array will be ["apple","banana","orange"]*

*// Output: Array ( [0] => apple [1] => banana [2] => orange )*

*// Join array elements into a string*

   echo implode("-", $array); *// Output: apple-banana-orange*

?>

**6. Repeat and Reverse**

* str\_repeat($string, $multiplier): Repeats a string a specified number of times.(PHP ৩বার রিপিট হবে।)
* strrev($string): Reverses a string.

<?php

  $string = "PHP";

*// Repeat a string*

  echo str\_repeat($string, 3); *// Output: PHPPHPPHP*

*// Reverse a string*

  echo strrev("Hello"); *// Output: olleH*

?>

**8. Comparison and Matching**

* strcmp($str1, $str2): Compares two strings (case-sensitive).
* strcasecmp($str1, $str2): Compares two strings (case-insensitive).
* preg\_match($pattern, $string): Performs a regular expression match.

<?php

    $str1 = "Hello";

    $str2 = "hello";

*// Compare two strings (case-sensitive)*

    echo strcmp($str1, $str2); *// Output: -1 (since "H" < "h")*

*// Compare two strings (case-insensitive)*

    echo strcasecmp($str1, $str2); *// Output: 0 (case-insensitive match)*

*// Regular expression match*

    $string = "The quick brown fox";

    echo preg\_match("/quick/", $string) ? "Found" : "Not Found"; *// Output: Found*

?>

The wordwrap() function in PHP wraps a string to a specified width by inserting line breaks at appropriate points.

<?php

    $text = "PHP is a popular general-purpose scripting language that is especially suited to web development.";

*// Wrap text at 20 characters*

    echo wordwrap($text, 20);

*// Output:*

*// PHP is a popular*

*// general-purpose*

*// scripting language*

*// that is especially*

*// suited to web*

*// development.*

?>