

Experiment No: 05

1. Write a PHP program to

- a) Calculate length of string
- b) Count the number of words in string- without using string functions

2. Write a simple PHP program to demonstrate use of various built in string functions.

Resources required:

Hardware	Software
Computer System	Any database tools such as XAMPP

Practical Significance:

- PHP is a string oriented and it comes packed with many string functions.
- A string is a collection of characters. String is one of the data types supported by PHP.
- The string variables can contain alphanumeric characters.
- PHP string functions are used to manipulate string values.

Theoretical Background:

Function	Description	Syntax	Example
str_word_count()	Count the number of words in a string	Str_word_count(String)	<?php echo str_word_count("Welcome to PHP world!"); ?> Output:
strlen()	Returns the length of a string	Strlen(String)	<?php echo strlen("Welcome to PHP"); ?> Output:
strrev()	Reverses a string	Strrev(String)	<?php echo strrev("Computer Engineering"); ?> Output:
strpos()	Returns the position of the first	Strpos(String, text)	<?php echo strpos("PHP contains for loop,

Function	Description	Syntax	Example
	occurrence of a string inside another string (case-sensitive)		for each and while loop", "loop"); ?> Output:
str_replace()	Replaces some characters in a string (case-sensitive)	Str_replace(string to be replaced, text, string)	<?php echo str_replace("Clock", "Click", "Click and Clock"); ?> Output:
ucwords()	Convert the first character of each word to uppercase	Ucwords(String)	<?php echo ucwords("welcome to php world"); ?> Output:
strtoupper()	Converts a string to uppercase letters	Strtoupper(String)	<?php echo strtoupper("Computer Engineering "); ?> Output:
strtolower()	Converts a string to lowercase letters	Strtolower(String)	<?php echo strtolower("Computer Engineering "); ?> Output:
Str_repeat()	Repeating a string with a specific number of times.	Str_repeat(String, repeat)	<?php echo str_repeat(" ", 10); ?> Output:
strcmp()	Compare two strings (case-sensitive). If this function returns 0, the two strings are equal. If this function returns any negative or positive numbers, the two strings	Strcmp(String1, String2)	<?php echo strcmp("Hello world!", "Hello world!"); ?> Output: Another example: <?php

Function	Description	Syntax	Example
	are not equal.		<pre>echo strcmp(" world!", "Hello PHP!");</pre> <p>?></p> <p>Output:</p>
Substr()	substr() function used to display or extract a string from a particular position.	Substr(String, start, length)	<pre><?php echo substr("Welcome to PHP",11). "
"; echo substr("Welcome to PHP",0,7). "
";</pre> <p>?></p> <p>Output:</p>
Str_split()	To convert a string to an array	str_split(string,length);	<pre>\$str="PHP"; Str_split(\$str);</pre> <p>Output:</p>
Str_shuffle()	To randomly shuffle all the character of a string	str_shuffle (string \$str)	<pre>\$str="PHP"; Str_shuffle(\$str);</pre> <p>Output:</p>
Trim()	Removes white spaces and predefined characters from a both the sides of a string.	trim(string,charlist)	<pre>\$str=" Welcome "</pre> <p>Output:</p>
Rtrim()	Removes the white spaces from end of the string	string rtrim (string \$str [, string \$character_mask])	<pre>\$str="Hello PHP" Rtrim(\$str,"PHP")</pre> <p>Output:</p>
Ltrim()	Removes the white spaces from left side of the string	ltrim(string,charlist);	<pre>\$str=" PHP"</pre> <p>Output:</p>
Chop()	Remove whitespace or other predefined character from the right end of a string.	chop(string,charlist);	<pre>\$str="Hello PHP" Cho(\$str,"PHP");</pre> <p>Output:</p>
Chunk_split()	Splits a string into smaller parts or chunks.	chunk_split(string,length, end)	<pre>\$str="Hello PHP"; Chunk_split(\$str,6," ...");</pre> <p>Output:</p>

Practical related questions:

1. How to find text within a string?

strpos()	Returns the position of the first occurrence of a string inside another string (case-sensitive)	Strpos(String, text)	<pre><?php echo strpos("PHP contains for loop, for each and while loop","loop"); ?></pre> <p>Output: 17</p>
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2. How to convert text in lowercase into title case?

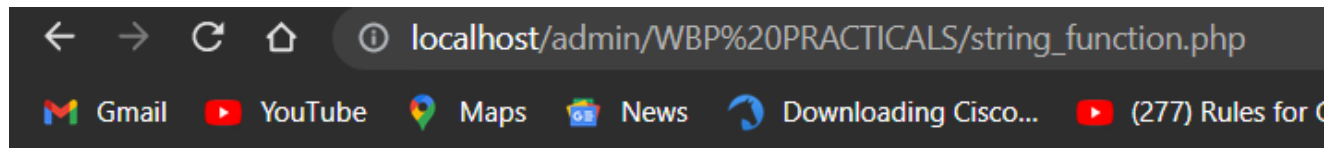
strtoupper()	Converts a string to uppercase letters	Strtoupper(String)	<pre><?php echo strtoupper("information technology "); ?></pre> <p>Output: INFORMATION TECHNOLOGY</p>
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3. Write a script to find length of the string “Vidyalankar Polytechnic”?

Code-:

```
<?php
$len= strlen("Vidyalankar Polytechnic");
echo "The length of given string is"." ".$len;
?>
```

Output-:



The length of given string is 23

Exercise:

1. Write an example to remove HTML tags from a string in php?

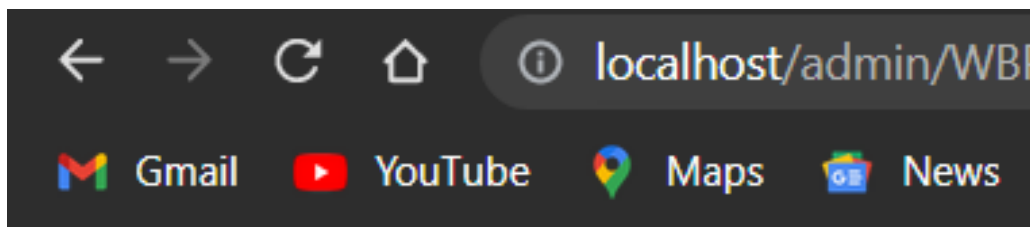
Ans: Strip_tags() is function to remove HTML tag in the string

2. Count the number of words in string- without using string functions.

```
<?php
$str=" I am in love with PHP ";
$wordcount = 0;
for($i=0;$i < strlen($str);$i++)
{
    if($str[$i]!=' ')
    {
        $wordcount++;
        while($str[$i]!=' ')
        {
            $i++;
        }
    }
}
echo "Total word count is".' '. $wordcount;

?>
```

OUTPUT:-



Total word count is 7

3. Write a simple PHP program to demonstrate use of various built in string functions.

Code-:

```
<?php
echo str_word_count("Welcome to PHP world!");

echo "</br>";
echo "</br>";

echo strlen("Welcome to PHP");

echo "</br>";
echo "</br>";

echo strrev("Information Technology");

echo "</br>";
echo "</br>";

echo strpos("PHP contains for loop, for each and while loop","loop");

echo "</br>";
echo "</br>";

echo str_replace("Clock","Click","Click and Clock");

echo "</br>";
echo "</br>";

echo ucwords("welcome to php world");

echo "</br>";
echo "</br>";

echo strtoupper("information technology ");

echo "</br>";
echo "</br>";

echo strtolower("INFORMATION TECHNOLOGY");

echo "</br>";
echo "</br>";
```

```
echo str_repeat("*",10);

echo "</br>";
echo "</br>";

echo strcmp("Hello world!","Hello world!");

echo "</br>";
echo "</br>";

echo strcmp(" world!","Hello PHP!");

echo "</br>";
echo "</br>";

echo substr("Welcome to PHP",11)."<br>";

echo "</br>";
echo "</br>";

echo substr("Welcome to PHP",0,7)."<br>";

echo "</br>";
echo "</br>";

$str="PHP";
Str_split($str);
echo $str;

?>
```

Output:-

```
4
14
ygonlhceT noitamrofni
17
Click and Click
Welcome To Php World
INFORMATION TECHNOLOGY
information technology
*****
0
-1
PHP

Welcome

PHP
```

4. Write a script for given string is palindrome or not.

Code:-

```
<?php

function palin ($str)
{
    if ($str == strrev($str))
    {
        echo "Given string is plaindrome";
    }
    else
    {
        echo "Given string is not plaindrome";
    }
}
echo palin("MOM");

?>
```


OUTPUT:-

Given string is plindrome