Assignment No. 8

Que-1 What is an array?

Ans- An array is a data structure that stores one or more similar type of values in a single value.

Que-2 How many types of array ? available in PHP. Explain?

Ans - There are three different kinds of arrays and each array value is accessed using an ID.

- Numeric Array
- Associative Array
- Multidimensional array

i) **Numeric Array** - An array with a numeric index. Values are stored and accessed in linear fashion.

ii) **Associative Array** - An array with strings as index. This stores elements values in association with key values rather than in a strict linear index order.

iii) **Multi-dimensional Array** – A multi-dimensional array which each element in the main array can also be an array and each element in the sub-array can be an array, and so on.

Qu-3 How you will create multidimensional array?

Ans- It can be created using nested array. These type of arrays can be used to store any type of elements, but the index is always a number. By default, the index starts with zero.

Syntax:

```
$arrName = array (
            array ( elements...),
            array ( elements...),
            ...
);
```

Example:

```
<?php

$my array = array (
        array ("Ankit", "Ram"),
```

```
    array ("Trichy", "Kanpur")
 ?; print_r ($myarray);
    ?>
```
Output:

```
Array
(
      [0] => Array
          (
                [0] => Ankit
                [1] => Ram
          )
      [1] => Array
          (
                [0] => Trichy
                [1] => Kanpur
          )
)
```

Que-4 What is strlen function?
Ans - This function is used to get the
       length of string.

Que-5 How you will count number of words in given string?   str_word_count()

Ans- By using the counter function.

Que-6 What is string and explain its related function in PHP?

Ans-

=> A string is a sequence of characters, like "Hello World!".

String functions :-

i) strlen()

The PHP strlen() function returns the length of a string.

ii) str_word_count ()

The PHP str_word_count() functions counts the number of words in a string.

iii) strrev()

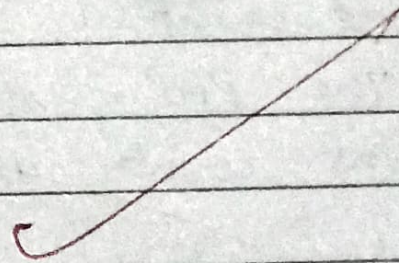The PHP strrev() function reverses a string.

(iv) strpos ()

The PHP strpos() function searches for a specific text within a string. If a match is found, the function returns the character position of the first match.

v) str_replace ()

The PHP str_replace() function replaces some characters with some other characters in a string.

(ix)

Assignment No.9

Qu-1 What is a function and discuss its advantages?

Ans- PHP function is a piece of code that can be reused many times. It can take input as argument list and return value. There are thousands of built-in functions in PHP besides this user can create oura function to simplify the tasks of programming.

Advantages -

- Code Reusability :

  PHP functions are defined only once and can be invoked many times, like in other programming languages.

- Less Code :

  It saves a lot of code because you don't need to write the logic many times.

- Easy to understand :

  PHP functions sp separate the

programming logic. So it is easier to understand the flow of the application because every logic is divided in the form of functions.

Que - 2 How many types parameters passed in to functions?

Ans - Parameters to a function can be passed by 2 ways:
- Call by value
- Call by Reference

Que - 3 What is call by value?

Ans - PHP allows you to call function by value. Actual value is not modified if it is modified inside the function.

Que - 4 What is call by reference?

Ans - PHP allows you to call function by reference. Actual value is modified if it is modified inside the function. It means changing the values in function affect the original values when the function is called.

Que-5 What is difference between call by value and call by reference?

Ans -

Call by value	Call by reference
• In this, a copy of variable is passed.	In this, a variable itself is passed.
• Original value not modified.	Original value is modified.
• Actual and formal parameters are created in different memory location.	Actual and formal parameters are created in the same memory location.
• Actual arguments remain safe as they cannot be modified accidentally.	Actual arguments are not safe. They can be accidentall modified.
• Default in many programming languages.	It is supported by most programming languages but not as default.