

# PHP UT - 1 ans.

## 02 Marks Questions

1. List advantages of PHP.

Open Source

Platform independent

Simple and Easy

Database support

Security

Scripting Language

Vast Community(Any four advantages, ½ mark each)

2. State different data types in PHP.

Integer

Float

String

Boolean

Array

Object

Resource

Null(Any two data types, 1 mark each)

3. Explain array\_flip( ) and explode( ) function with syntax.

array\_flip(): Flips keys and values of an array.Syntax: array\_flip(array);

explode(): Splits a string into an array.Syntax: array explode(separator, OriginalString, NoOfElements);

4. What is an array? How to store data in an array?

An array in PHP is a data structure that stores multiple values in one variable.

Syntax: `$array = array(value1, value2, value3);`

5. Write syntax of PHP.

`<?php echo "Hello World";?>`

6. Write syntax of for each loop.

`foreach ($array as $value) { echo $value;}`

#### 04 Marks Questions

1. List any four string functions with use.

`str_word_count()`: Counts the number of words in a string.

`strlen()`: Returns the length of a string.

`strrev()`: Reverses a string.

`strpos()`: Finds the position of the first occurrence of a substring.

2. Explain use of for and for each with an example.

for loop: Used when the number of iterations is known.

`for($i = 1; $i <= 10; $i++) { echo $i . "<br>";}`

foreach loop: Used for iterating over arrays.

`$arr = array(1, 2, 3); foreach ($arr as $value) { echo $value . "<br>";}`

3. Explain bitwise operators in PHP.

&: AND  
|: OR  
^: XOR  
~: NOT  
<<: Left shift  
>>: Right shift

4. Write a PHP program to draw a rectangle filled with red color.

```
<?php$img = imagecreatetruecolor(500, 300);$color =  
imagecolorallocate($img, 255, 0,0);  
imagefilledrectangle($img, 30, 30, 470, 270, $color);  
header("Content-type: image/png");  
imagepng($img);  
imagedestroy($img);?>
```

5. Explain how to implement a multidimensional array in PHP.

```
$person = array( array("name" => "Yogita", "mob" => "5689741523"),  
array("name" => "Manisha", "mob" => "2584369721"));  
echo $person[1]["mob"];
```

6. Explain print and echo statements in PHP.

echo: Can print multiple values.

print: Returns 1, cannot print multiple values.

```
echo "Hello", "World";  
print "Hello World";
```

7. Write down rules for declaring a PHP variable.

Must start with \$.

Cannot start with a number.

Can contain letters, numbers, and underscores.

Case-sensitive.

8. Write a program to create an associative array in PHP.

```
$arr = array("name" => "John", "age" => 25);  
echo $arr["name"];  
// Output: John
```

9. Define function. How to define a user-defined function in PHP? Give an example.

```
function greet($name)  
{  
    return "Hello, " . $name;  
}  
echo greet("John");
```

10. Write PHP script to sort any five numbers using an array function.

```
$arr = array(5, 3, 8, 1, 4);  
sort($arr);  
print_r($arr);
```

11. Explain the use of break and continue statements.

break: Exits the loop.

continue: Skips the current iteration.

```
for ($i = 1; $i <= 5; $i++)  
{  
    if ($i == 3) continue;  
    echo $i . " ";  
}
```

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06 Marks Questions

1. Display the given text "this is server-side coding using PHP" in PDF format

using PHP.

```
require('fpdf.php');  
$pdf = new FPDF();  
$pdf->AddPage();  
$pdf->SetFont('Arial', 'B', 16);  
$pdf->Cell(40, 10, 'this is server-side coding using PHP');  
$pdf->Output();
```

2. Explain different loops in PHP with an example.

for, foreach, while, do-while

3. Explain the following function types with examples:

Anonymous function:

```
$var = function($name) { return "Hello $name";};echo $var("John");
```

Variable function:

```
function sayHello()
```

```
{
```

```
    echo "Hello";
```

```
}
```

```
$func = "sayHello";
```

```
$func();
```

4. Write a PHP program to display numbers from 1-10 in a sequence using for loop.

```
for ($i = 1; $i <= 10; $i++)
```

```
{
```

```
    echo $i . " ";
```

```
}
```