1. Write a PHP script to get the PHP version and configuration information.

```
<?php
phpinfo();
?>
```

2. Write a PHP script to display the following strings.

Sample String :

'Tomorrow I \'ll learn PHP global variables.'

'This is a bad command : del c:*.*'

Expected Output :

Tomorrow I 'll learn PHP global variables.

This is a bad command : del c:*.*

```
<?php`
echo "Tomorrow I \'ll learn PHP global variables."."\n";
echo "This is a bad command : del c:\\*.*"."\n";
?>
```

3. $var = 'PHP Tutorial'. Put this variable into the title section, h3 tag and as an anchor text within an HTML document.

Sample Output :

PHP Tutorial

PHP, an acronym for Hypertext Preprocessor, is a widely-used open source general-purpose scripting language. It is a cross-platform, HTML embedded server-side scripting language and is especially suited for web development.

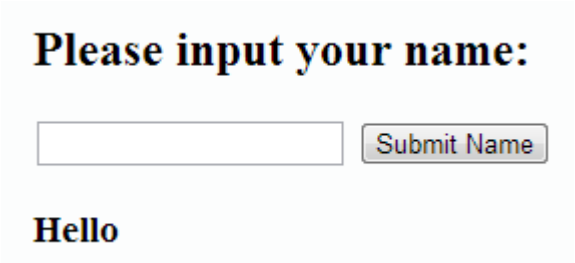
Go to the PHP Tutorial.

```
<?php
$var = 'PHP Tutorial';
?>
<!DOCTYPE html>
<html>
<head>
 <meta http-equiv="content-type" content="text/html; charset=utf-8">
 <title><?php echo $var; ?> - W3resource!</title>
 </head>
 <body>
 <h3><?php echo $var; ?></h3>
```

```
  <p>PHP, an acronym for Hypertext Preprocessor, is a widely-used open source general-purpose scripting language. It is a cross-platform, HTML embedded server-side scripting language and is especially suited for web development.</p>
  <p><a href="https://www.w3resource.com/php/php-home.php">Go to the <?php echo $var; ?></a>.</p>
</body>
</html>
```

4. Create a simple HTML form and accept the user name and display the name through PHP echo statement.

Sample output of the HTML form :




```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  </head>
  <body>
  <form method='POST'>
  <h2>Please input your name:</h2>
 <input type="text" name="name">
 <input type="submit" value="Submit Name">
 </form>
<?php
//Retrieve name from query string and store to a local variable
$name = $_POST['name'];
echo "<h3> Hello $name </h3>";
?>
</body>
```

```
</html>
```

5. Write a PHP script to get the client IP address.

```
<?php
//whether ip is from share internet
if (!empty($_SERVER['HTTP_CLIENT_IP']))
 {
   $ip_address = $_SERVER['HTTP_CLIENT_IP'];
 }
//whether ip is from proxy
elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR']))
 {
   $ip_address = $_SERVER['HTTP_X_FORWARDED_FOR'];
 }
//whether ip is from remote address
else
 {
   $ip_address = $_SERVER['REMOTE_ADDR'];
 }
echo $ip_address;
?>
```

6. Write a simple PHP browser detection script.

Sample Output : Your User-Agent is: Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/35.0.1916.114 Safari/537.36

```
<?php
echo "Your User Agent is :" . $_SERVER ['HTTP_USER_AGENT'];
?>
```

7. Write a PHP script to get the current file name.

```
<?php
$current_file_name = basename($_SERVER['PHP_SELF']);
echo $current_file_name."\n";
?>
```

8. Write a PHP script, which changes the color of the first character of a word.

Sample string : PHP Tutorial

Expected Output :

PHP Tutorial

```
<?php
$text = 'PHP Tutorial';
```

```
$text = preg_replace('/(\b[a-z])/i','<span
style="color:red;">\1</span>',$text);
echo $text;
?>
```

9. Write a PHP script, to check whether the page is called from 'https' or 'http'.

```
<?php
if (!empty($_SERVER['HTTPS']))
{
  echo 'https is enabled';
}
else
{
echo 'http is enabled'."\n";
}
?>
```

9. Write a simple PHP program to check that emails are valid.

Hints : Use FILTER_VALIDATE_EMAIL filter that validates value as an e-mail address.

Note : The PHP documentation does not say that FILTER_VALIDATE_EMAIL should pass the RFC5321.

```
<?php
// pass valid/invalid emails
$email = "mail@example.com";
if (filter_var($email, FILTER_VALIDATE_EMAIL))
{
    echo '"' . $email . '" = Valid'."\n";
}
else
{
    echo '"' . $email . '" = Invalid'."\n";
}
?>
```

10. Write a e PHP script to display string, values within a table.

Note : Use HTML table elements into echo.

Expected Output :

Salary of Mr. A is	1000$
Salary of Mr. B is	1200$
Salary of Mr. C is	1400$

```
<?php
$a=1000;
$b=1200;
$c=1400;
echo "<table border=1 cellspacing=0 cellpading=0>
<tr> <td><font color=blue>Salary of Mr. A is</td> <td>$a$</font></td></tr>
<tr> <td><font color=blue>Salary of Mr. B is</td> <td>$b$</font></td></tr>
<tr> <td><font color=blue>Salary of Mr. C is</td> <td>$c$</font></td></tr>
</table>";
?>
```

11. Write a PHP script to display source code of a webpage (e.g. "http://www.example.com/").

```
<?php
$all_lines = file('http://www.example.com/');
foreach ($all_lines as $line_num => $line)
 {
        echo "Line No.-{$line_num}: " . htmlspecialchars($line) . "\n";
 }
?>
```

12. Write a PHP script to count number of lines in a file.
Note : Store a text file name into a variable and count the number of lines of text it has.

```
<?php
$file = basename($_SERVER['PHP_SELF']);
$no_of_lines = count(file($file));
echo "There are $no_of_lines lines in $file"."\n";
?>
```

13. Write a PHP script to print current PHP version.
Note : Do not use phpinfo() function.

```
<?php
echo 'Current PHP version : ' . phpversion();
  // prints e.g. '2.0' or nothing if the extension isn't enabled
  echo phpversion('tidy')."\n";
?>
```

14. Write a PHP script to delay the program execution for the given number of seconds.

```
<?php
// current time
  echo date('h:i:s') . "\n";
  // sleep for 5 seconds
  sleep(5);
  // wake up
  echo date('h:i:s')."\n";
?>
```

15. Arithmetic operations on character variables : $d = 'A00'. Using this variable print the following numbers.
Sample Output :
A01
A02
A03
A04
A05

```
<?php
$d = 'A00';
  for ($n=0; $n<5; $n++)
{
echo ++$d ."\n";
}
?>
```

16. Write a PHP script to get the last occurred error.

```
<?php
$d = 'A00';
  for ($n=0; $n<5; $n++)
{
echo ++$d ."\n";
}
?>
```

17. Write a PHP function to test whether a number is greater than 30, 20 or 10 using ternary operator.

```
<?php
function trinary_Test($n){
$r = $n > 30
? "greater than 30"
: ($n > 20
? "greater than 20"
: ($n >10
```

```
? "greater than 10"
: "Input a number atleast greater than 10!"));
echo $n." : ".$r."\n";
}
trinary_Test(32);
trinary_Test(21);
trinary_Test(12);
trinary_Test(4);
?>
```

18. Write a PHP script to get the full URL.

```
<?php
$full_url = "http://$_SERVER[HTTP_HOST]$_SERVER[REQUEST_URI]";
  echo $full_url."\n";
?>
```

19. Write a PHP script to compare the PHP version.
Note : Use version_compare() function and PHP_VERSION constant.

```
<?php
if (version_compare(PHP_VERSION, '6.0.0') >= 0) {
echo 'I am at least PHP version 6.0.0, my version: ' . PHP_VERSION . "\n";
}
if (version_compare(PHP_VERSION, '5.3.0') >= 0) {
echo 'I am at least PHP version 5.3.0, my version: ' . PHP_VERSION . "\n";
}
if (version_compare(PHP_VERSION, '5.0.0', '>=')) {
echo 'I am using PHP 5, my version: ' . PHP_VERSION . "\n";
}
if (version_compare(PHP_VERSION, '5.0.0', '<')) {
echo 'I am using PHP 4, my version: ' . PHP_VERSION . "\n";
}
?>
```

20. Write a PHP script to get the document root directory under which the current script is executing, as defined in the server's configuration file.

```
<?php
// getenv() gets the value of an environment variable
$rd = getenv('DOCUMENT_ROOT');
echo $rd."\n";
?>
```

26. Write a PHP script to get the information about the operating system PHP is running on.

```
<?php
 echo php_uname()."\n";
```

```
echo PHP_OS."\n";
if (strtoupper(substr(PHP_OS, 0, 3)) === 'WIN') {
echo 'This is a server using Windows!';
} else {
echo 'This is a server not using Windows!'."\n";
}
?>
```

21. Write a PHP script to get the directory path used for temporary files.

```
<?php
// Create a temporary file in the temporary
// files directory using sys_get_temp_dir()
$temp_file = tempnam(sys_get_temp_dir(), 'Tux');
echo $temp_file."\n";
?>
```

22. Write a PHP script to get the names of the functions of a module.
Note : Find XML, JSON functions etc.

```
<?php
print_r(get_extension_funcs("JSON"));
echo "\n";
print_r(get_extension_funcs("XML"))."\n";
?>
```

23. Write a PHP script to get the time of the last modification of the current page

```
<?php
echo "Last modified: " . date ("F d Y H:i:s.", getlastmod())."\n";
?>
```

24. Write a PHP program to swap two variables.

```
<?php
$a = 15;$b = 27;
// Swap Logic
echo "\nThe number before swapping is:\n";
echo "Number a =".$a." and b=".$b;
$temp = $a;
$a = $b;$b = $temp;echo "\nThe number after swapping is: \n";
echo "Number a =".$a." and b=".$b."\n";?>
```