

Experiment No: 14**Write a PHP program to check if number is prime or not.****Date:****Competency and Practical Skills:****Relevant CO: 3****Objectives:**

1. To understand how to write simple php program
2. To understand how to use php conditional and Loops Statement

Theory:**PHP**

- PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages.
- PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.
- **Syntax**

```
<?php
// PHP code goes here
?>
```

- **Example:** demonstrate printing Hello World

```
<!DOCTYPE html>
<html>
<body>

<?php
echo "Hello World";
?>
</body>
</html>
```

- Creating (Declaring) PHP Variables

```
<?php
$txt = "Hello world!";
$x = 5;
$y = 10.5;
?>
```

- PHP Conditional Statements

Statement	Syntax
PHP - The if Statement	<pre>if (condition) { code to be executed if condition is true; }</pre>
PHP - The if...else Statement	<pre>if (condition) { code to be executed if condition is true; } else { code to be executed if condition is false; }</pre>
PHP - The if...elseif...else Statement	<pre>if (condition) { code to be executed if this condition is true; } elseif (condition) { code to be executed if first condition is false and this condition is true; } else { code to be executed if all conditions are false; }</pre>

- PHP Loop Statements

Statement	Syntax
The PHP while Loop	<pre>while (condition is true) { code to be executed; }</pre>

The PHP do...while Loop	<pre>do { <i>code to be executed;</i> } while (<i>condition is true</i>);</pre>
The PHP for Loop	<pre>for (<i>init counter; test counter; increment counter</i>) { <i>code to be executed for each iteration;</i> }</pre>
The PHP foreach Loop	<pre>foreach (<i>\$array as \$value</i>) { <i>code to be executed;</i> }</pre>

Implementation:**Output:**

Conclusion:**Quiz:**

1. What is PHP? Explain PHP Syntax.
2. Explain foreach Loop in PHP.

Suggested Reference:

- https://www.w3schools.com/php/php_looping.asp

References used by the students:**Rubric wise marks obtained:**

Rubrics	1	2	3	Total
Marks				