# Problem statement:

Lab Experiment 7

## Write a PHP script to take number from user and print the table of that number.

1. Write a PHP script to display numeric, associative and multidimensional array with for each loop.

# PHP Code [A]:

<!DOCTYPE html>

<html>

<head>

<title>Multiplication Table</title>

</head>

<body>

<h2>Multiplication Table Generator</h2>

<form method="post" action="">

Enter a number: <input type="text" name="number">

<input type="submit" name="submit" value="Generate Table">

</form>

<?php

// Check if the form is submitted if(isset($\_POST['submit'])){

// Get the number entered by the user

$number = $\_POST['number'];

// Validate input to ensure it's a valid number if(is\_numeric($number)){

// Generate and print the multiplication table

echo "<h3>Multiplication Table for $number</h3>"; echo "<table border='1'>";

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

$result = $number \* $i;

echo "<tr><td>$number x $i</td><td>=</td><td>$result</td></tr>";

}

echo "</table>";

} else {

echo "<p>Please enter a valid number.</p>";

}

}

?>

</body>

</html>

# Multiplication Table - Google ChromeOutput:

**PHP Code [B]:**

<!DOCTYPE html>

<html>

<head>

<title>Array Display</title>

</head>

<body>

<h2>Numeric Array</h2>

<?php

// Numeric Array

$numericArray = [1, 2, 3, 4, 5]; echo "<ul>";

foreach ($numericArray as $item) { echo "<li>$item</li>";

}

echo "</ul>";

?>

<h2>Associative Array</h2>

<?php

// Associative Array

$associativeArray = [ "name" => "John", "age" => 30,

"city" => "New York"

];

echo "<ul>";

foreach ($associativeArray as $key => $value) { echo "<li>$key: $value</li>";

echo "</ul>";

?>

<h2>Multidimensional Array</h2>

<?php

// Multidimensional Array

$multidimensionalArray = [ [

"name" => "Alice", "age" => 25,

"city" => "Los Angeles"

], [

"name" => "Bob", "age" => 28,

"city" => "Chicago"

], [

"name" => "Charlie", "age" => 22,

"city" => "San Francisco"

]

];

echo "<ul>";

foreach ($multidimensionalArray as $person) { echo "<li>";

foreach ($person as $key => $value) { echo "$key: $value | ";

echo "</li>";

}

echo "</ul>";

?>

</body>

</html>

# Array Display - Google ChromeOutput:

**Explanation:**

## The PHP code utilizes the post method, for loops, and arrays to achieve the desired output.