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AKASH J - 211211101007



**Year/Section:** III year/A section  
**Subject:** PHP/MySQL

## PHP/MySQL Assignment - III

### **Aim:**

To Create a Webpage for php Experiments using the 3 units of the PHP/MySQL.

### **Algorithm:**

1. Introduction to the PHP Programming Language Basics.
2. Functions and Strings.
3. Declaring a Variable Function, Declaring Parameters and Functions and implementation.
4. Experimenting of different Types of Functions and methods.
5. Declaring an Array and Identifying Elements in an Array
6. Storing and Accessing of Data in an Array.
7. Converting between Arrays and Variables.
8. OOPS - Classes and Objects Declaring and Implementation
9. Introspection, Serialization, Inheritance implementation and Use.

## **Program:**

Home page - <>main.html

```
<!DOCTYPE html>
<html>
<head>
    <title>PHP Experiment</title>
    <link rel="stylesheet" href="homepage.css">
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Audiowide">
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <link
href="https://fonts.googleapis.com/css2?family=IBM+Plex+Sans:wght@500&dis
play=swap" rel="stylesheet">
</head>
<body>

    <div class="hero">
        <video autoplay loop muted plays-inline class="back-video">
            <source src="img/background ss.mp4" type="video/mp4">

        </video>
        <nav>
            <ul>
                <a href="http://127.0.0.1:5501/homepage.html">Home
<span></span></a>
                <a href="http://127.0.0.1:5501/about.html">About
<span></span></a>
                <a href="http://127.0.0.1:5501/mysql.html">MySql
<span></span></a>
                <a href="http://127.0.0.1:5501/naruto.html">Naruto
<span></span></a>
                <a href="http://127.0.0.1:5501/php.html">PHP <span></span></a>
            </ul>
```

```

</nav>
<div id="container">
  <button class="learn-more">
    <span class="circle" aria-hidden="true">
      <span class="icon arrow"></span>
    </span>
    <a href="button.html" class="button-text">Learn More</a>
  </button>
</div>
</button>
</div>
</body>

</body>
</html>

```

## **Homepage CSS - <Code>style.css**

```

* {
  padding: 0;
  margin: 0;
  outline: 0;
  color: #fff;
  font-family:"Audiowide", sans-serif;
}
body {
  background: #000;
  display: flex;
  align-items: center;
  justify-content: center;
  height: 100vh;
  width: 100vw;
  overflow: hidden;
}
button {
  position: absolute;
  display: inline-block;
  cursor: pointer;
  outline: none;
  border: 0;
  vertical-align: middle;
  text-decoration: none;

```

```

background: transparent;
padding: 0;
font-size: inherit;
font-family: inherit;
top: 46%;
right: 13%;
}
button.learn-more {
  width: 12rem;
  height: auto;
}
button.learn-more .circle {
  transition: all 0.45s cubic-bezier(0.65, 0, 0.076, 1);
  position: relative;
  display: block;
  margin: 0;
  width: 3rem;
  height: 3rem;
  background: #d02e2ea0;
  border-radius: 1.625rem;
}
button.learn-more .circle .icon {
  transition: all 0.45s cubic-bezier(0.65, 0, 0.076, 1);
  position: absolute;
  top: 0;
  bottom: 0;
  margin: auto;
  background: #ffffff;
}
button.learn-more .circle .icon.arrow {
  transition: all 0.45s cubic-bezier(0.65, 0, 0.076, 1);
  left: 0.625rem;
  width: 1.125rem;
  height: 0.125rem;
  background: none;
}
button.learn-more .circle .icon.arrow::before {
  position: absolute;
  content: "";
  top: -0.25rem;
  right: 0.0625rem;
  width: 0.625rem;
  height: 0.625rem;

```

```

border-top: 0.125rem solid #fff;
border-right: 0.125rem solid #fff;
transform: rotate(45deg);
}
button.learn-more .button-text {
  transition: all 0.45s cubic-bezier(0.65, 0, 0.076, 1);
  position: absolute;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  padding: 0.75rem 0;
  margin: 0 0 0 1.85rem;
  color: #25e6edc7;
  font-weight: 700;
  line-height: 1.6;
  text-align: center;
  text-transform: uppercase;
}
button:hover .circle {
  width: 100%;
}
button:hover .circle .icon.arrow {
  background: #ffffff;
  transform: translate(1rem, 0);
}
button:hover .button-text {
  color: #000000;
}

@supports (display: grid) {
  body {
    display: grid;
    grid-template-columns: repeat(4, 1fr);
    grid-gap: 0.625rem;
    grid-template-areas: ". main main ." ". main main .";
  }

  #container {
    grid-area: main;
    align-self: center;
    justify-self: center;
  }
}

```

```

}
body{
  display: inline-block;
}
nav a{
  position: relative;
  font-size: 2em;
  font-weight: 200;
  color: rgb(42, 131, 147);
  text-decoration: none;
  padding: 15px 50px;
  transition: .5s;
  align-items: top;
  display: flex;
  justify-content: space-evenly;
  display: inline-block;
  left: 35%;
  margin-top: 3%;
  top: 90%;
}

nav a:hover{
  color: #0ef;
}
nav a span{
  position: absolute;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
  z-index: -1;
  border-bottom: 2px solid #0ef;
  border-radius: 10px;
  transform: scale(0) translate Y(50px);
  opacity: 0;
  transition: .5s;
}
nav a:hover span{
  transform: scale(1) translate Y(0);
  opacity: 1;
}

```

```
.back-video{
  position: fixed;
  right: 0%;
  bottom: 0%;
  left: 0%;
  top: 0%;
  z-index: -1;
}

@media (min-aspect-ratio:16/9){
  .back-video{
    width: auto;
    height: 10%;
  }
}
@media (min-aspect-ratio:16/9){
  .back-video{
    width: 100%;
    height: auto;
  }
}
```

## **PHP Experiment Page - <Code> Odd or Even**

```
<DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="ex.css">
  <title> Odd or Even Checker </title>
<style>table,th{

  border-collapse:collapse;

}
body {
  background-image: url("logo.jpg");
  background-size: cover;
  height: 100vh;
  background-position: center;
  color: black;
}
</style>
```

```

</head>
<body>
<video autoplay loop muted plays-inline class="back-video"
    src="v1.mp4">
</video>
<center>
<table style="width:50%">

<tr>
<th>
    <h1> Akash J </h1>
    <h1>211211101007</h1>

    <h1>ODD OR EVEN <h1>

<form method="post" action="">
Enter a number:
    <input type="text" name="number" required>
<input type="submit" value="check">
</form>

<?php
if($_SERVER["REQUEST_METHOD"]=="POST"){
    $number=$_POST["number"];
if(is_numeric($number)){
    if($number%2==0){
        echo "<p> is number is an even number.</p>";
    }else{
        echo "<p> $number is an odd number.</p>";
    }
    }else{
        echo "<p> Please enter a valid numeric number value.</p>";
    }
}
?>
</th>
</tr>
</table>
<button><a href="http://127.0.0.1:5502/button.html">Back</a></button>

</center>
</body>

```



</html>

## PHP Experiment Page - <Code> Arithmetic Operations

```
<DOCTYPE html>
<html>
<head>
  <link rel="stylesheet"href="ex.css">
  <title> Arithmetic Operations </title>
<style>table,th{

  border-collapse:collapse;

}

body {
  background-image: url("logo.jpg");
  background-size: cover;
  height: 100vh;
  background-position: center;
  color: white;
  size: 30%;
  font-size: 140%;
}
</style>

</head>
<body>
<video autoplay loop muted plays-inline class="back-video"
  src="v2.mp4">
  </video>
  <center>
<table style="width:50%">
<tr>
<th>
  <h1> Akash J </h1>
  <h1>211211101007</h1>
  <h1>SWITCH CASE - ARITHMETIC OPERATION <h1>

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

Enter the first number:

```
<input type="text" name="num1" required><br><br><br>
```

Enter the second number:

```
<input type="text" name="num2" required><br><br><br>
```

select an operation:

```
<select name="operation">
  <option value="add">Addition</option>
  <option value="subtract">Subtraction</option>
  <option value="multiply">Multiplication</option>
  <option value="divide">Division</option>
</select>
<br><br>
<input type="submit" value="Calculate">
```

```
</center>
```

```
</form>
```

```
<?php
```

```
if($_SERVER["REQUEST_METHOD"]=="POST"){
```

```
  $a = $_POST["num1"];
```

```
  $b = $_POST["num2"];
```

```
  $operation = $_POST["operation"];
```

```
  if(is_numeric($a)&& is_numeric($b)) {
```

```
    switch ($operation) {
```

```
      case "add":
```

```
        $result = $a + $b;
```

```
        echo "<p> The result of addition is: $result </p>";
```

```
        break;
```

```
      case "subtract":
```

```
        $result = $a - $b;
```

```
        echo "<p> The result of subtraction is: $result </p>";
```

```
        break;
```

```
      case "multiply":
```

```
        $result = $a * $b;
```

```
        echo "<p> The result of multiplication is: $result </p>";
```

```
        break;
```

```
      case "divide":
```

```
        if($b!=0) {
```

```
          $result = $a / $b;
```

```
          echo "<p> The result of division is: $result </p>";
```

```
        } else {
```

```
          echo "<p> Error:Division by zero is not allowed. </p>";
```

```
        }
```

```

        break;
        default:
            echo "<p> Please select a valid operation.</p>";
    }
} else {
    echo "<p> Please enter valid numeric values for both numbers.</p>";
}
}
?>
</th>
</tr>
</table>
<button><a href="http://127.0.0.1:5502/button.html">Back</a></button>
</center>
</body>
</html>

```

## **PHP Experiment Page - <Code> Fibonacci Series**

```

<!DOCTYPE html>
<html lang="en">
<head>
<link rel="stylesheet" href="ex.css">

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Fibonacci Series</title>
<style>
    table {
        border-collapse: collapse;
    }
    table, th, td {
        border: 1px solid black;
        padding: 8px;
    }
    body {
        background-image: url("logo.jpg");
        background-size: cover;
        height: 100vh;
        background-position: center;
        color: black;
    }

```

```

}

</style>
<p ><center> <h1> Akash J-211211101007<br><br>FIBONACCI
SERIES</h1></center></p>
</head>
<body>
<video autoplay loop muted plays-inline class="back-video"
    src="v3.mp4">
</video>

<center><h2>Enter a number:</h2>
<input type="number" id="numInput">
<button onclick="generateFibonacci()">Generate Fibonacci
Series</button></center>

<center><h2>Fibonacci Series:</h2>
<table id="fibonacciTable"></center>
<!-- Fibonacci series will be displayed here -->
</table>

<script>
function generateFibonacci() {
    var num = parseInt(document.getElementById("numInput").value);
    var fibSeries = [];

    if (num <= 0) {
        alert("Please enter a positive number.");
        return;
    }

    var a = 0, b = 1;
    fibSeries.push(a, b);

    for (var i = 2; i < num; i++) {
        var next = a + b;
        fibSeries.push(next);
        a = b;
        b = next;
    }

    displayFibonacciTable(fibSeries);
}

```

```
function displayFibonacciTable(series) {
    var table = document.getElementById("fibonacciTable");
    table.innerHTML = ""; // Clear previous content

    // Create header row
    var headerRow = table.insertRow();
    var headerCell = headerRow.insertCell();
    headerCell.textContent = "Fibonacci Number";
    // Create rows for each Fibonacci number
    for (var i = 0; i < series.length; i++) {
        var row = table.insertRow();
        var fibCell = row.insertCell();
        fibCell.textContent = series[i];
    }
}
</script>
<button><a href="http://127.0.0.1:5502/button.html">Back</a></button>

</body>
</html>
```

### **PHP Experiment Page - <Code> Factorization :**

```
<!DOCTYPE html>
<html lang="en">
<head>
<link rel="stylesheet" href="ex.css">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Factorial Calculator</title>
<style>table,th{
    border:2px solid white;
    border-collapse:collapse;

}
body {
    background-image: url("logo.jpg");
    background-size: cover;
    height: 100vh;
    background-position: center;
    color: black;
```

```

    size: 40%;
    font-size: 180%;
}
</style>
</head>
<body>
<video autoplay loop muted plays-inline class="back-video"
    src="v4.mp4">
</video>

<center><h2>Factorial Calculator</h2>
<center><p>Akash J-211211101007</p>
<center><p>Enter a number to calculate its factorial:</p>
<input type="number" id="numberInput">
<button onclick="calculateFactorial()">Calculate</button>

<br><br>
<table border="5">

    <thead>
        <tr>
            <th>Number</th>
            <th>Factorial</th>
        </tr>
    </thead>
    <tbody id="factorialTableBody">

    </tbody>

</table>

<script>
    function calculateFactorial() {
        var number = document.getElementById("numberInput").value;
        var factorial = 1;
        var factorialTableBody =
document.getElementById("factorialTableBody");
        factorialTableBody.innerHTML = ""; // Clear previous entries

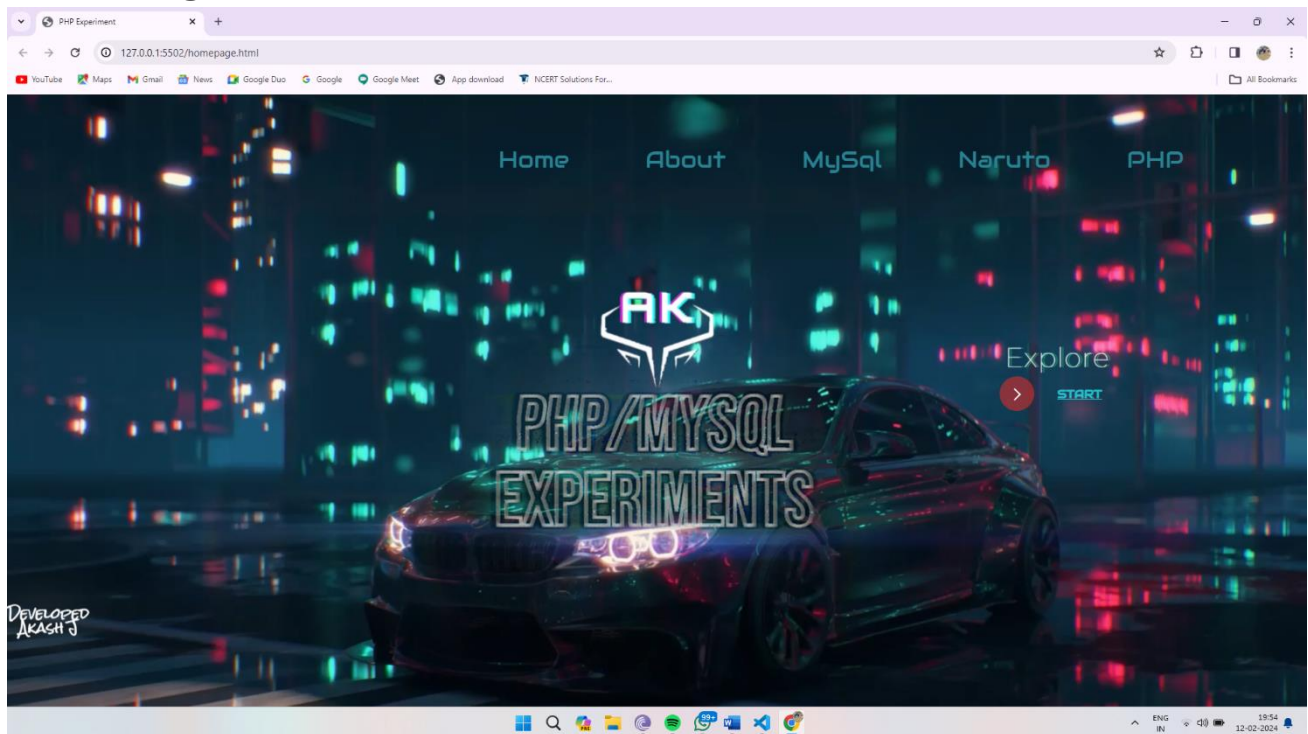
        for (var i = 1; i <= number; i++) {
            factorial *= i;
            var row = document.createElement("tr");

```

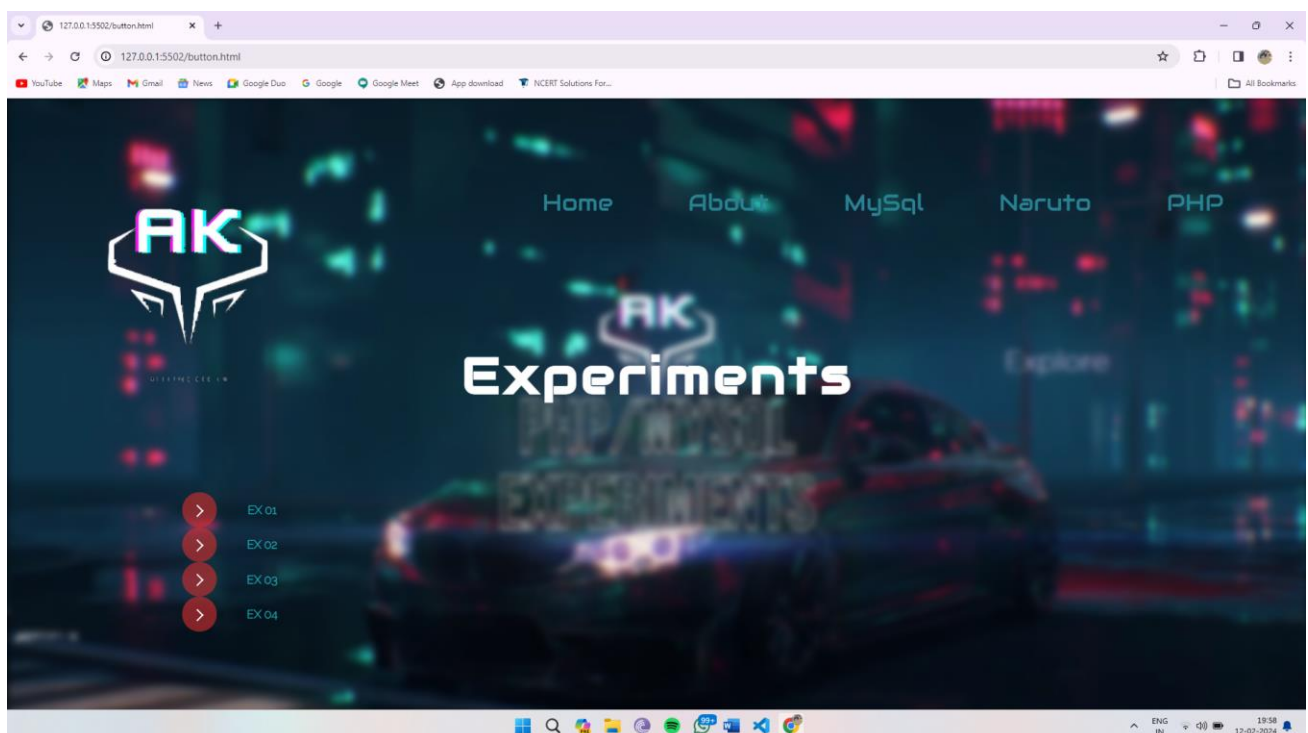
```
var numberCell = document.createElement("td");
var factorialCell = document.createElement("td");
numberCell.textContent = i;
factorialCell.textContent = factorial;
row.appendChild(numberCell);
row.appendChild(factorialCell);
factorialTableBody.appendChild(row);
    }
}
</script>
<button><a href="http://127.0.0.1:5502/button.html">Back</a></button>
</body>
</html>
```

Output :

Home Page -

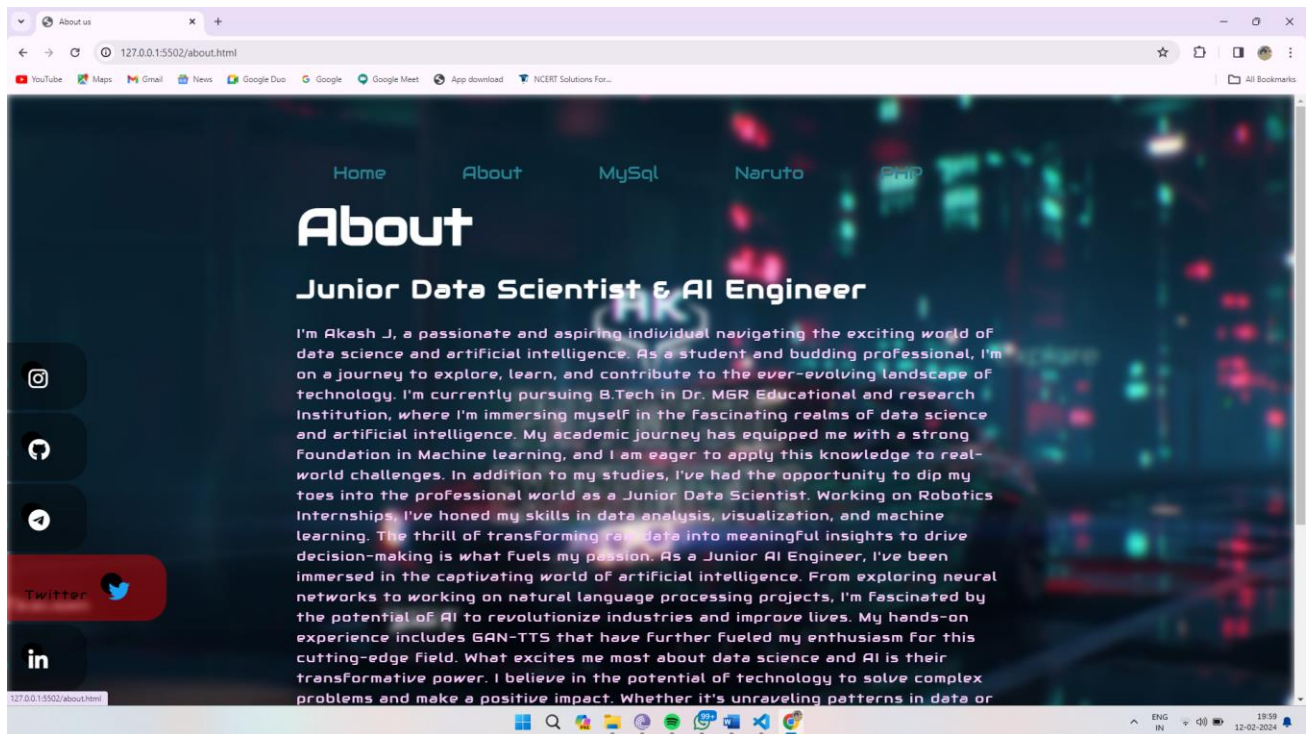


Experiments Page -



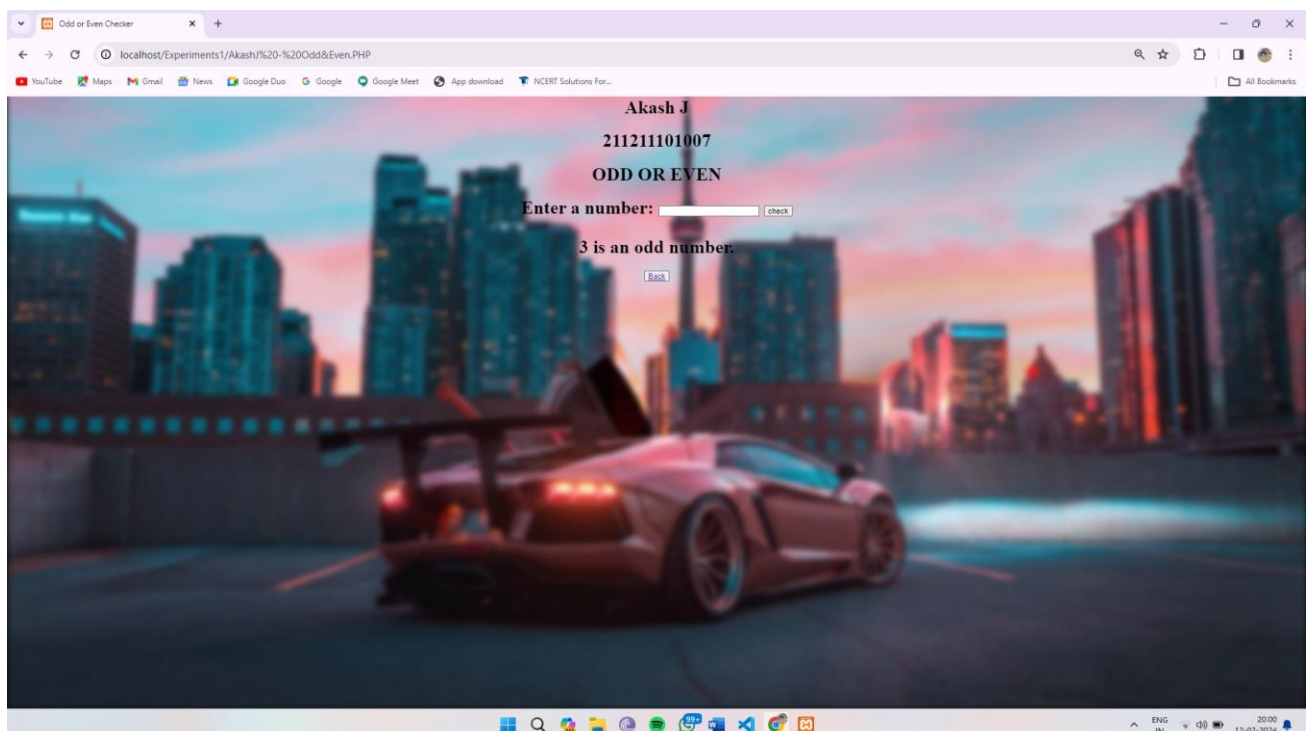


## About Page –

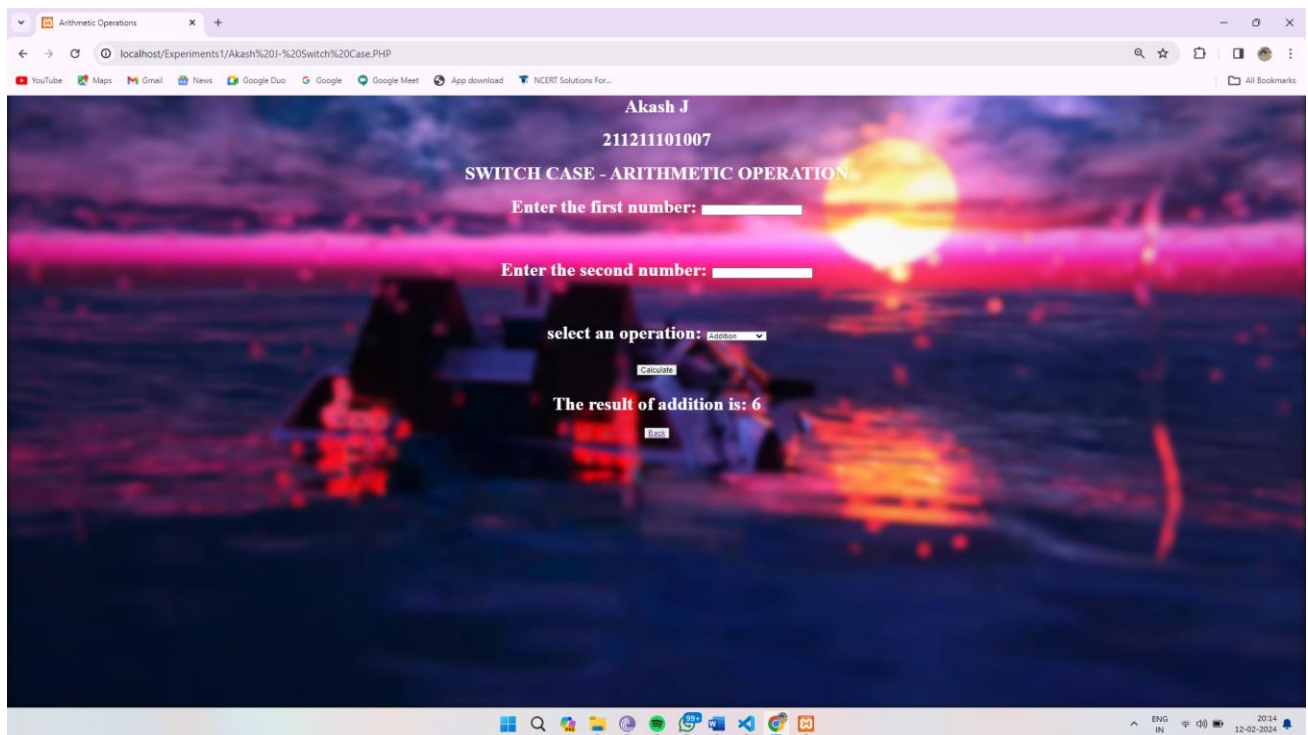


## Experiment Page -

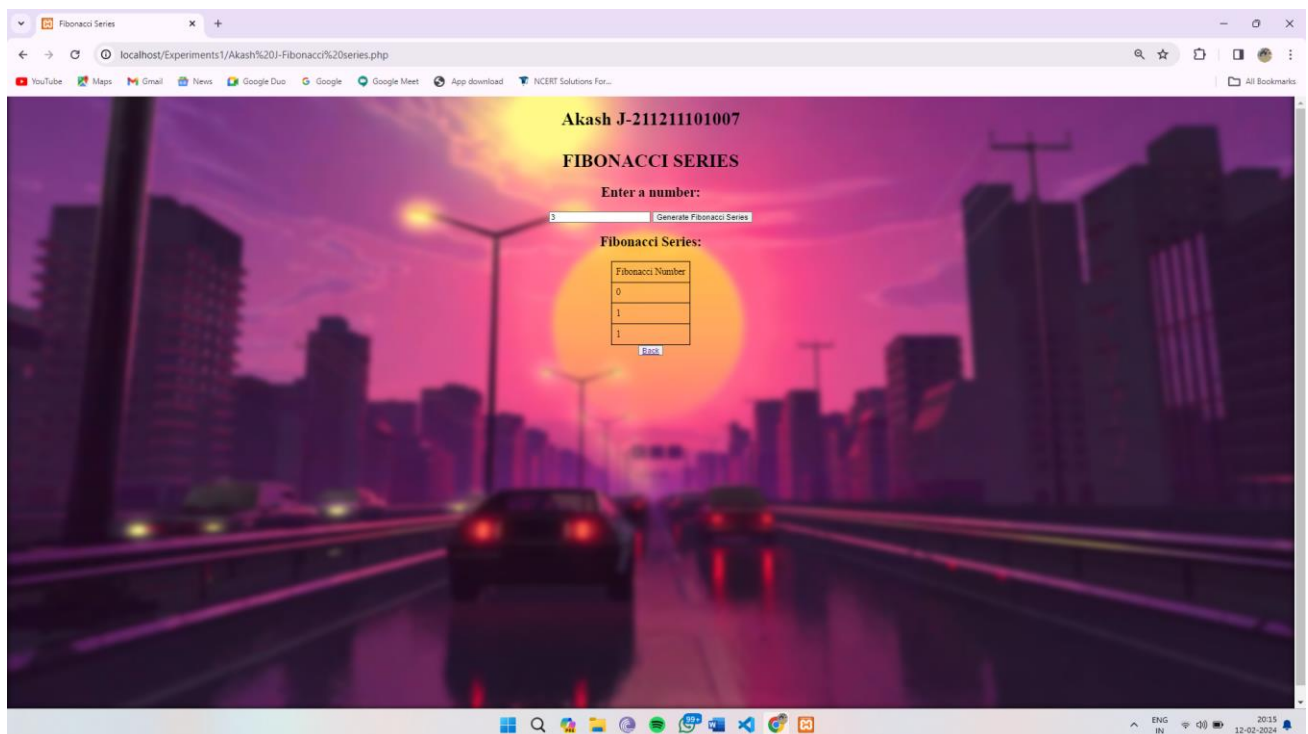
- PHP EXP 1 – Odd or Even Number



## PHP EXP 2 - Arithmetic Operations



- PHP EXP 3 - Fibonacci series:



- **PHP EXP 4 – Factorization Number:**

