

Name: Deepankar Sharma

course: BCA-6th

roll no: 2092014

Subject: Scripting Languages

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| S. No. | Objective | Date | Signature |
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Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date: 17-02-23

Practical 01: To implement Lists in HTML

```
<!-- To implement List in HTML -->
<!DOCTYPE html>

<head>
  <title>List</title>
</head>

<body>
  <ul style="list-style-type:square;">
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
  </ul>
  <ol>
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
  </ol>

  <dl>
    <dt>Coffee</dt>
    <dd>- black hot drink</dd>
    <dt>Milk</dt>
    <dd>- white cold drink</dd>
  </dl>

</body>
</html>
```

Output:

- Coffee
- Tea
- Milk

1. Coffee
2. Tea
3. Milk

Coffee
 - black hot drink

Milk
 - white cold drink

Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date: 3-03-2023

Practical 02: To implement Tables in HTML

```
<!-- implement table in HTML -->

<html>
<head>
  <title> Table </title>
</head>

<body>
  <br><br><br><br><br><br><br><br>
  <table align=center border="1" cellpadding="2">
    <caption align="top"><b>Specification Table with Hours and
Marks</caption>
      <tr>
        <th rowspan="2"> Unit No. </th>
        <th rowspan="2"> Unit Title </th>
        <th rowspan="2"> Teaching Hours </th>
        <th colspan="4"> Distribution of Theory Marks
      </th>
      </tr>
      <tr>
        <td>R Level </td>
        <td>U Level </td>
        <td>A Level </td>
        <td>Total Marks </td>
      </tr>
      <tr>
        <td>
          <center>I
        </td>
        <td>Introduction to Internet Technology</td>
        <td>
          <center>2
        </td>
        <td>
          <center>4
        </td>
        <td>
          <center>4
        </td>
        <td>
          <center>0
        </td>
      </tr>
    </table>
```

```

        <center>8
    </td>
</tr>
<tr>
    <td>
        <center>II
    </td>
    <td>Basic of HTML & CSS</td>
    <td>
        <center>6
    </td>
    <td>
        <center>0
    </td>
    <td>
        <center>2
    </td>
    <td>
        <center>6
    </td>
    <td>
        <center>8
    </td>
</tr>
<tr>
    <td>
        <center>III
    </td>
    <td>Active Server Pages 3.0</td>
    <td>
        <center>6
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>8
    </td>
    <td>
        <center>0
    </td>
    <td>
        <center>12
    </td>
</tr>
<tr>
    <td>
        <center>IV
    </td>
    <td>Server Side Coding with VBScript and XML</td>
    <td>
        <center>8
    </td>
    <td>

```

```

        <center>2
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>8
    </td>
    <td>
        <center>14
    </td>
</tr>
<tr>
    <td>
        <center>V
    </td>
    <td>ASP Objects & Components</td>
    <td>
        <center>10
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>6
    </td>
    <td>
        <center>14
    </td>
</tr>
<tr>
    <td>
        <center>VI
    </td>
    <td>Accessing database with ASP & ADO</td>
    <td>
        <center>10
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>4
    </td>
    <td>
        <center>6
    </td>
    <td>
        <center>14
    </td>
</tr>

```

```

<tr>
  <td></td>
  <th>
    <center>Total
  </th>
  <th>
    <center>42
  </th>
  <th>
    <center>18
  </th>
  <th>
    <center>26
  </th>
  <th>
    <center>26
  </th>
  <th>
    <center>70
  </th>
</tr>
</table>
</body>

</html>

```

Output:

| Specification Table with Hours and Marks | | | | | | |
|--|--|----------------|------------------------------|-----------|-----------|-------------|
| Unit No. | Unit Title | Teaching Hours | Distribution of Theory Marks | | | |
| | | | R Level | U Level | A Level | Total Marks |
| I | Introduction to Internet Technology | 2 | 4 | 4 | 0 | 8 |
| II | Basic of HTML & CSS | 6 | 0 | 2 | 6 | 8 |
| III | Active Server Pages 3.0 | 6 | 4 | 8 | 0 | 12 |
| IV | Server Side Coding with VBScript and XML | 8 | 2 | 4 | 8 | 14 |
| V | ASP Objects & Components | 10 | 4 | 4 | 6 | 14 |
| VI | Accessing database with ASP & ADO | 10 | 4 | 4 | 6 | 14 |
| | Total | 42 | 18 | 26 | 26 | 70 |

Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date: 17-03-2023

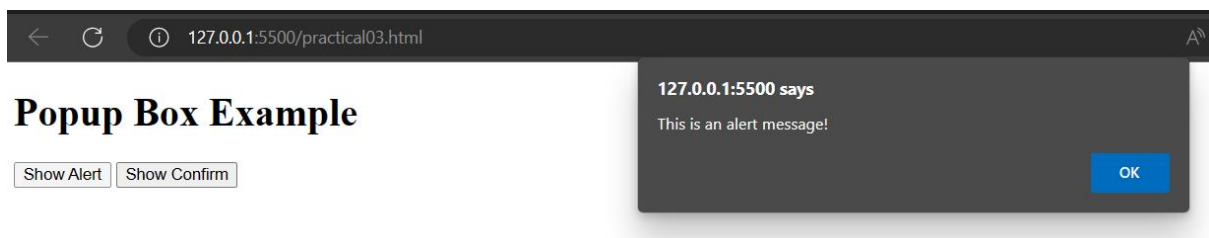
Practical 03: Implementation of popup of alert and confirm.

```
<!-- Implementation of popup of alert and confirm. -->
<!DOCTYPE html>
<html>

<head>
  <title>Popup Box Example</title>
</head>

<body>
  <h1>Popup Box Example</h1>
  <button onclick="showAlert()">Show Alert</button>
  <button onclick="showConfirm()">Show Confirm</button>
  <script>
    function showAlert() {
      alert("This is an alert message!");
    }
    function showConfirm() {
      var result = confirm("Are you sure you want to delete
this item?");
      if (result == true) {
        alert("You clicked OK!");
      } else {
        alert("You clicked Cancel!");
      }
    }
  </script>
</body>
</html>
```

Output:



Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date: 24-03-2023

Practical 04: Implementation of the CSS Box Model.

```
<!-- Implementation the CSS Box Model. -->

<!DOCTYPE html>
<html>

<head>
  <title>CSS Box Model Example</title>
  <style>
    /* Define styles for the outer box */
    .outer-box {
      width: 200px;
      height: 200px;
      background-color: lightblue;
      border: 10px solid black;
      padding: 20px;
      margin: 50px;
    }

    /* Define styles for the inner box */
    .inner-box {
      width: 100%;
      height: 100%;
      background-color: white;
      border: 10px solid red;
      padding: 20px;
      box-sizing: border-box;
    }
  </style>
</head>

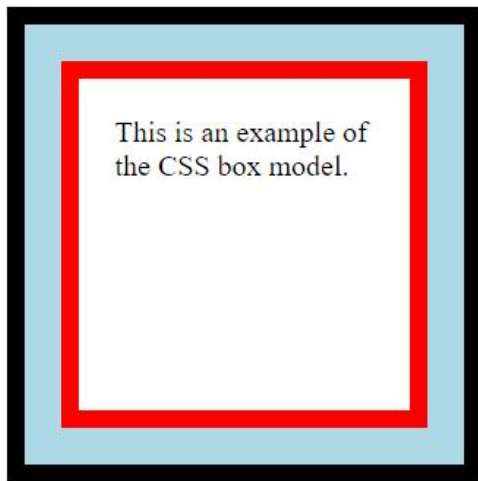
<body>
  <div class="outer-box">
    <div class="inner-box">
      This is an example of the CSS box model.
    </div>
  </div>
</body>

</html>

<!-- The CSS box model is a container that contains multiple
properties including borders, margin, padding, and the content
itself. It is used to create the design and layout of web pages. It
```


can be used as a toolkit for customizing the layout of different elements. -->

Output:



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Course: BCA
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Subject: Scripting Languages
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Practical 05: Design the webpage by applying the different style using inline, internal and external style sheet.

```
<!-- Design the webpage by applying the different style using inline,
internal and external style sheet. -->
<!DOCTYPE html>
<html>

<head>
  <title>Styles Example</title>
  <!-- Internal Styles -->
  <style>
    h1 {
      color: blue;
      font-size: 36px;
      text-align: center;
    }

    p {
      font-size: 20px;
      line-height: 1.5;
    }
  </style>
  <!-- External Styles -->
  <link rel="stylesheet" type="text/css" href="practical05.css">
</head>

<body>
  <!-- Inline Styles -->
  <div style="background-color: yellow; padding: 20px;">
    <h1 style="color: red;">Styles Example</h1>
    <p style="text-align: justify;">This is an example of
applying styles using inline, internal and external style
      sheets. The heading is styled with inline styles, the
paragraph is styled with internal styles, and the
      background color and padding of this div are styled with
inline styles.</p>
    </div>
  <!-- External Styles -->
  <div class="external-styles">
    <h2>External Styles</h2>
    <p>This div is styled using an external style sheet.</p>
    <button class="btn">Click me</button>
  </div>
</body>
</html>
```

CSS:

```
/* External Styles */
.external-styles {
background-color: lightblue;
padding: 20px;
}

.external-styles h2 {
color: white;
font-size: 24px;
}

.external-styles p {
font-size: 16px;
line-height: 1.5;
}

.external-styles .btn {
background-color: green;
color: white;
border: none;

padding: 10px;
border-radius: 5px;
cursor: pointer;
}

.external-styles .btn:hover {
background-color: darkgreen;
}
```

Output:

Styles Example

This is an example of applying styles using inline, internal and external style sheets. The heading is styled with inline styles, the paragraph is styled with internal styles, and the background color and padding of this div are styled with inline styles.

External Styles

This div is styled using an external style sheet.

Click me

Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date:

Practical 03: WAP to create a hyperlink and change the background color to blue.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Document</title>
</head>
<body bgcolor="lightblue">
  <a href="https://github.com/ideepankarsharma2003">This is my
github profile</a>
</body>
</html>
```

OUTPUT:-

[This is my github profile](https://github.com/ideepankarsharma2003)

Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date:

Practical 04: WAP to design registration form using html.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Registration Form</h2>
  <form action="" method="post">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username"
required><br><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required><br><br>

    <label for="password">Password:</label>
    <input type="password" id="password" name="password"
required><br><br>

    <label for="confirm_password">Confirm Password:</label>
    <input type="password" id="confirm_password"
name="confirm_password" required><br><br>

    <label for="gender">Gender:</label>
    <input type="radio" id="male" name="gender" value="male"
required>
    <label for="male">Male</label>
    <input type="radio" id="female" name="gender" value="female"
required>
    <label for="female">Female</label>
    <input type="radio" id="other" name="gender" value="other"
required>
    <label for="other">Other</label><br><br>

    <label for="dob">Date of Birth:</label>
    <input type="date" id="dob" name="dob" required><br><br>
    BCA Student: 2022<input type="checkbox" name="" id="">
    2023<input type="checkbox" name="" id=""><br><br>

    <input type="submit" value="Register">
  </form>
```

```
</body>
</html>
```

OUTPUT: -

Registration Form

Username:

Email:

Password:

Confirm Password:

Gender: ☐ Male ☐ Female ☐ Other

Date of Birth: 

BCA Student: 2022 ☐ 2023 ☐

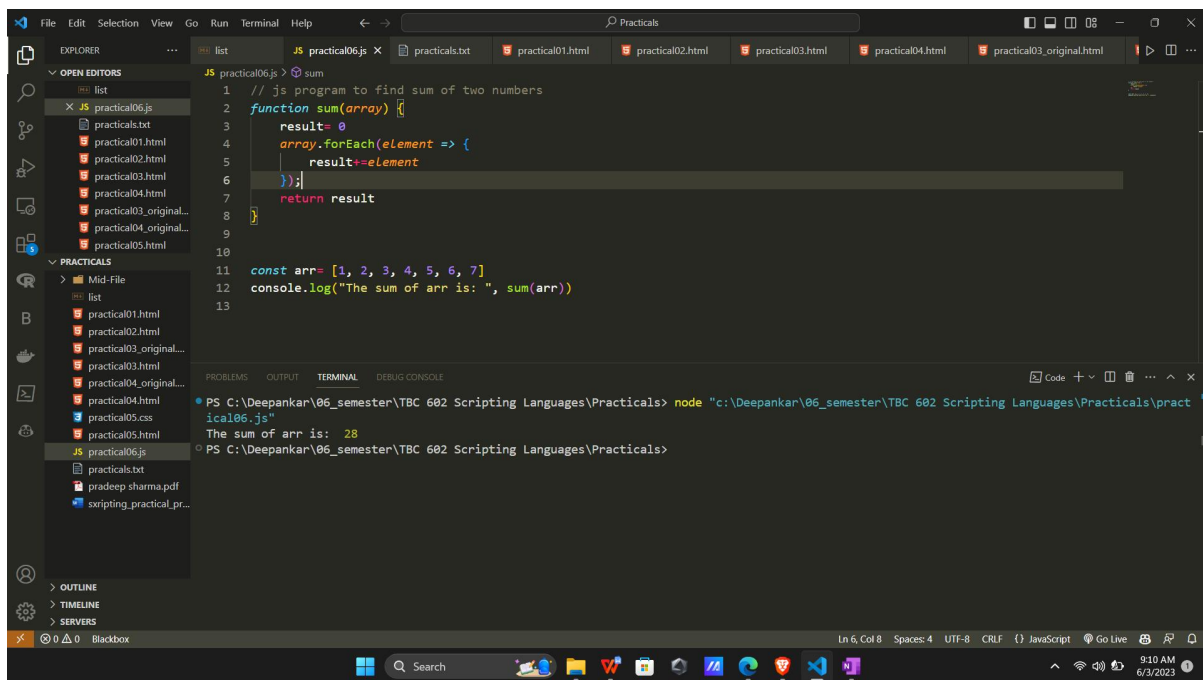
Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date:

Practical : WAP to calculate the sum of an array in JavaScript.

```
// js program to find sum of two numbers
function sum(array) {
    result= 0
    array.forEach(element => {
        result+=element
    });
    return result
}
```

```
const arr= [1, 2, 3, 4, 5, 6, 7]
console.log("The sum of arr is: ", sum(arr))
```

Output:

A screenshot of the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'Practicals' with several files, including 'practical06.js'. The main editor window displays the JavaScript code for calculating the sum of an array. The code consists of a function 'sum' that uses 'array.forEach' to iterate over the elements and calculate the sum, followed by a console log statement. The bottom panel shows the 'TERMINAL' tab with the command 'node "c:\Deepankar\06_semester\TBC 602 Scripting Languages\Practicals\practical06.js"' and the output 'The sum of arr is: 28'. The status bar at the bottom indicates the file is 'practical06.js', the encoding is 'UTF-8', and the line/col is 'Ln 6, Col 8'.

Name: Deepankar Sharma
Course: BCA
University Roll No: 2092014
Subject: Scripting Languages
Date:

**Practical : WAP to check whether an year is leap year based on
Gregorian calender.**

```
<!-- // Javascript program to check weather the given year is a leap
year in the Gregorian calender -->
<!DOCTYPE html>
<html>

<head>
<title>Leap Year Checker</title>
<script>
// Function to check if a year is a leap year
function isLeapYear(year) {
    if (year % 4 === 0) {
        if (year % 100 === 0) {
            if (year % 400 === 0) {
                return true; // Divisible by 400, leap
year
            } else {
                return false; // Divisible by 100 but not
by 400, not a leap year
            }
        } else {
            return true; // Divisible by 4 but not by 100,
leap year
        }
    } else {
        return false; // Not divisible by 4, not a leap
year
    }
}
// Function to handle the form submission
function checkLeapYear() {
    event.preventDefault();
    const yearInput = document.getElementById("year");
    const year = parseInt(yearInput.value);
    const result = document.getElementById("result");

    if (isLeapYear(year)) {
        result.innerText = year + " is a leap year.";
    } else {
        result.innerText = year + " is not a leap year.";
    }
}
</script>
</head>

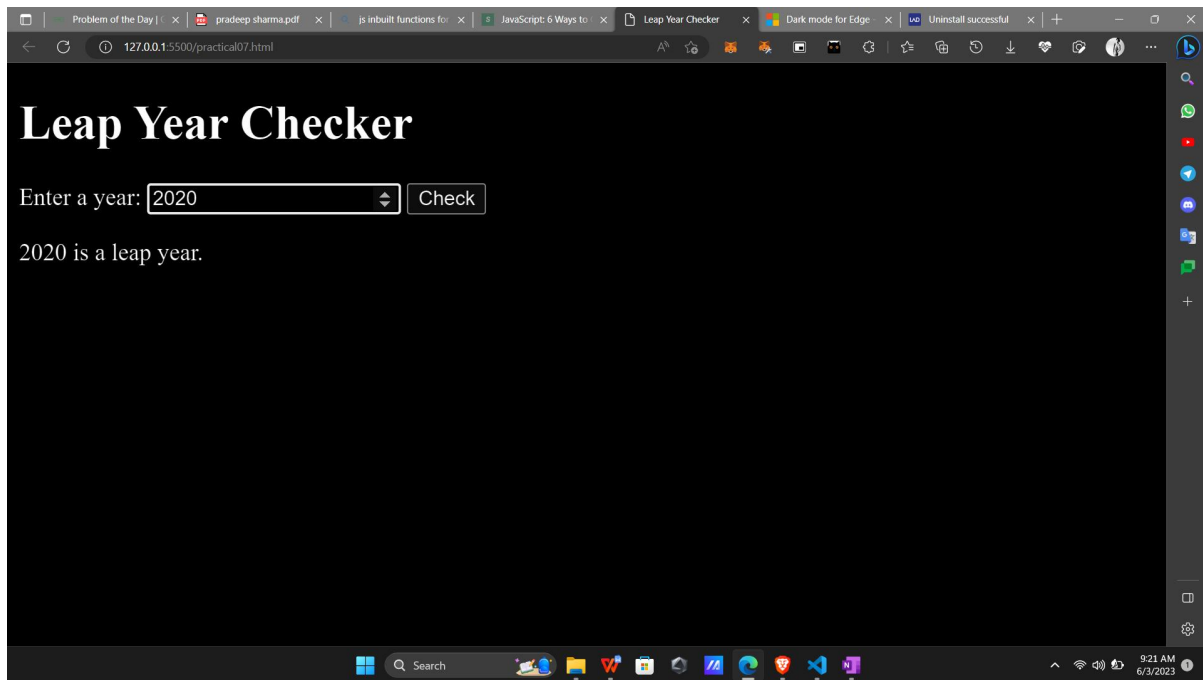
<body>
```



```
<h1>Leap Year Checker</h1>
<form onsubmit="checkLeapYear()">
  <label for="year">Enter a year:</label>
  <input type="number" id="year" required>
  <button type="submit">Check</button>
</form>
<p id="result"></p>
</body>

</html>
```

Output:

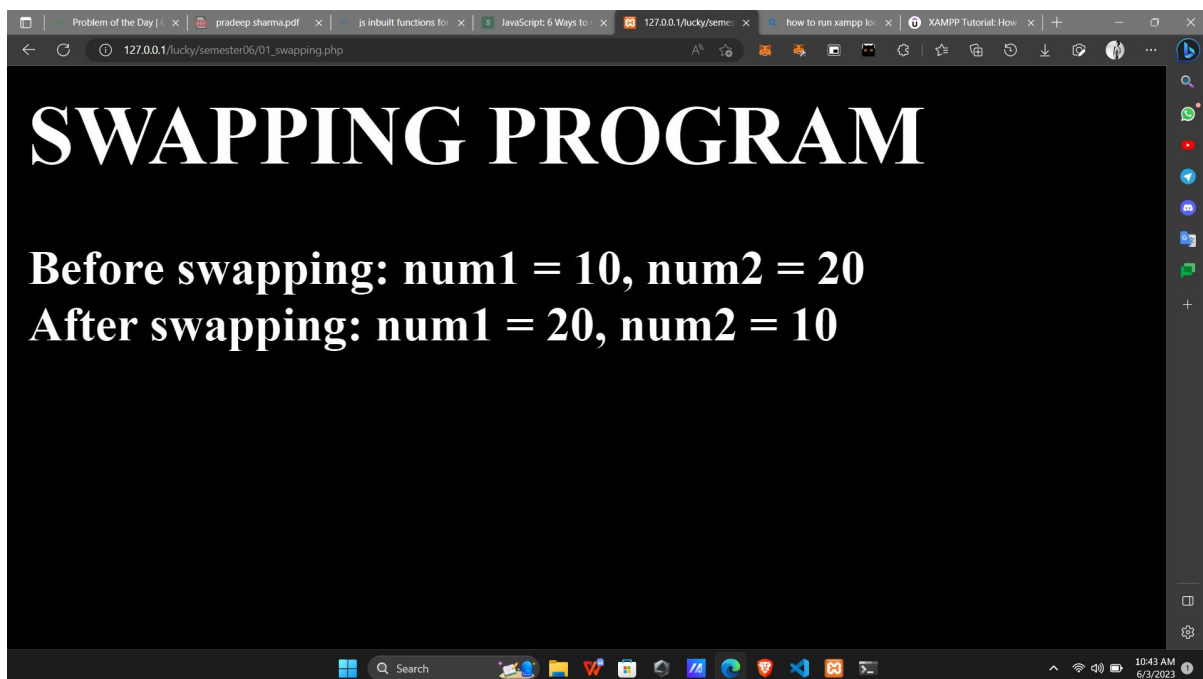


Name: Deepankar Sharma
Course: BCA
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Date:

Practical : WAP in PHP to swap two numbers.

```
<?php
// Swap two numbers using a temporary variable
$num1 = 10;
$num2 = 20;
echo "<h1>SWAPPING PROGRAM";
echo "<h3>Before swapping: ";
echo "num1 = " . $num1 . ", num2 = " . $num2 . "<br>";
$temp = $num1;
$num1 = $num2;
$num2 = $temp;
echo "After swapping: ";
echo "num1 = " . $num1 . ", num2 = " . $num2;
?>
```

Output:



Name: Deepankar Sharma
Course: BCA
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Practical : WAP to create a table in MySQL using PHP.

```
<!-- php program to create a table in MySQL -->
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "KhatarnakWalaDatabase";

// Create a connection to MySQL
$conn = new mysqli($servername, $username, $password, $dbname);
// Check the connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
echo "<h3>Initiating Table Creation...";
// SQL query to create a table
$sql = "CREATE TABLE KHATARNAKTABLE (
    id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(50) NOT NULL,
    email VARCHAR(50) NOT NULL
)";
// Execute the query
if ($conn->query($sql) === TRUE) {
    echo "Table created successfully";
} else {
    echo "Error creating table: " . $conn->error;
}
// Close the connection
$conn->close();
?>
```

Output:

Windows PowerShell

Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements!
<https://aka.ms/PSWindows>

```
PS C:\Users\deepa> mysql
ERROR 2002 (HY000): Can't connect to MySQL server on 'localhost'
(10061)
PS C:\Users\deepa> mysql
ERROR 1045 (28000): Access denied for user 'deepa'@'localhost'
(using password: NO)
PS C:\Users\deepa> mysql -u root
```

Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.27-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MariaDB [(none)]> create database KhatarnakWalaDatabase
-> ;
Query OK, 1 row affected (0.001 sec)
```

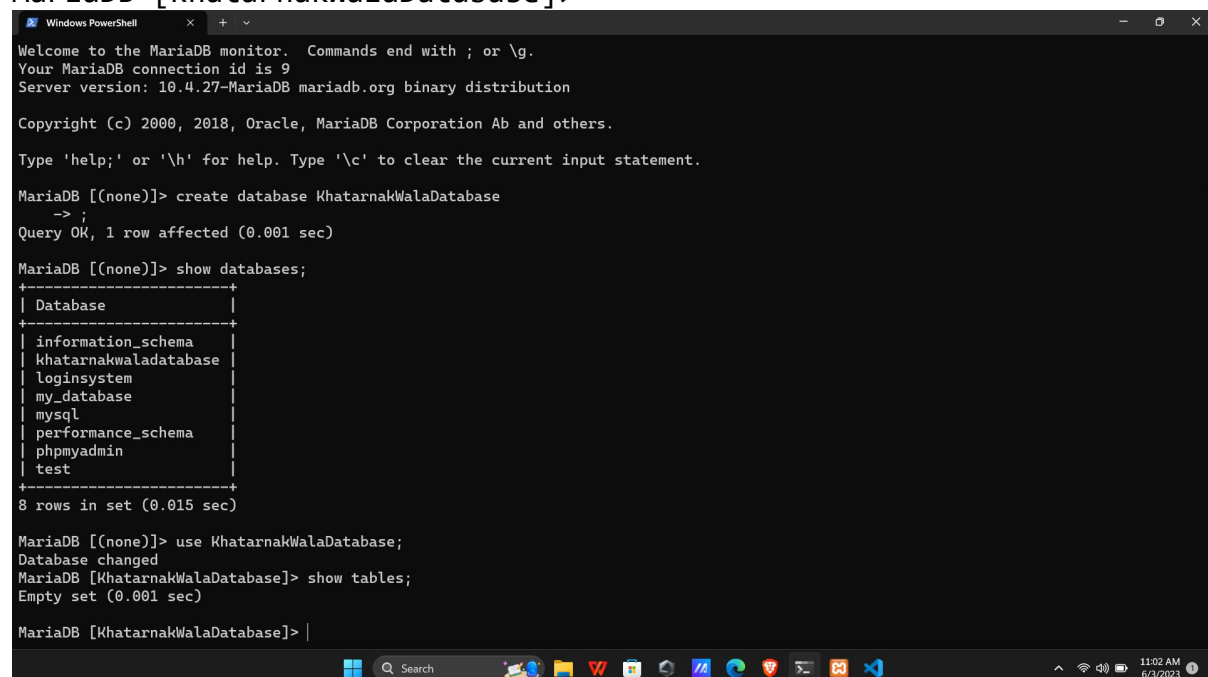
```
MariaDB [(none)]> show databases;
```

```
+-----+
| Database          |
+-----+
| information_schema |
| khatarnakwaladatabase |
| loginsystem        |
| my_database        |
| mysql              |
| performance_schema |
| phpmyadmin         |
| test               |
+-----+
```

8 rows in set (0.015 sec)

```
MariaDB [(none)]> use KhatarnakWalaDatabase;
Database changed
MariaDB [KhatarnakWalaDatabase]> show tables;
Empty set (0.001 sec)
```

```
MariaDB [KhatarnakWalaDatabase]>
```



```
Windows PowerShell
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.27-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

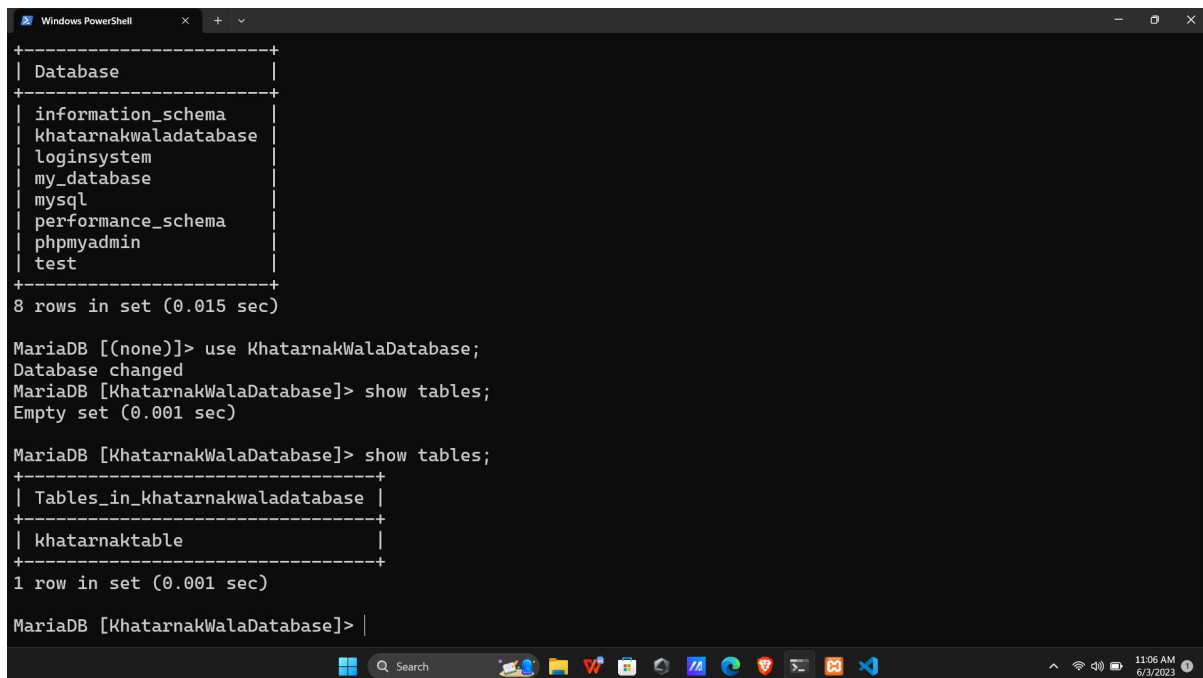
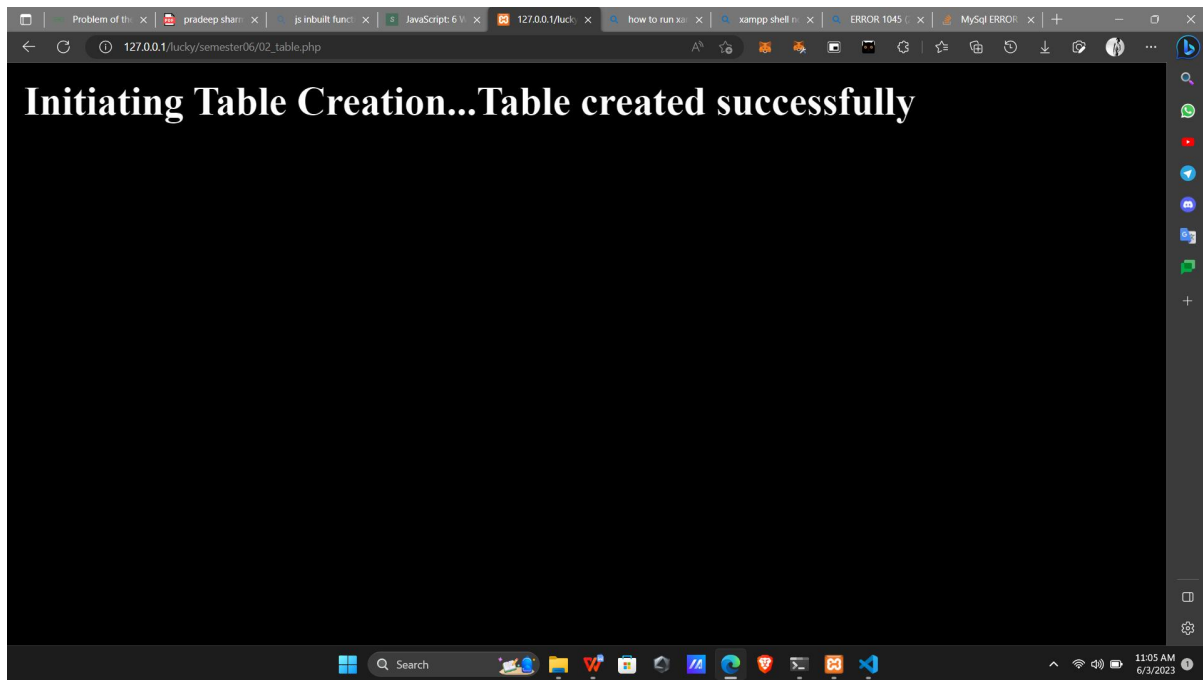
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database KhatarnakWalaDatabase
-> ;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> show databases;
+-----+
| Database          |
+-----+
| information_schema |
| khatarnakwaladatabase |
| loginsystem        |
| my_database        |
| mysql              |
| performance_schema |
| phpmyadmin         |
| test               |
+-----+
8 rows in set (0.015 sec)

MariaDB [(none)]> use KhatarnakWalaDatabase;
Database changed
MariaDB [KhatarnakWalaDatabase]> show tables;
Empty set (0.001 sec)

MariaDB [KhatarnakWalaDatabase]> |
```



Name: Deepankar Sharma
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Date:

Practical : WAP to Develop student registration form and display all the submitted data on the page.

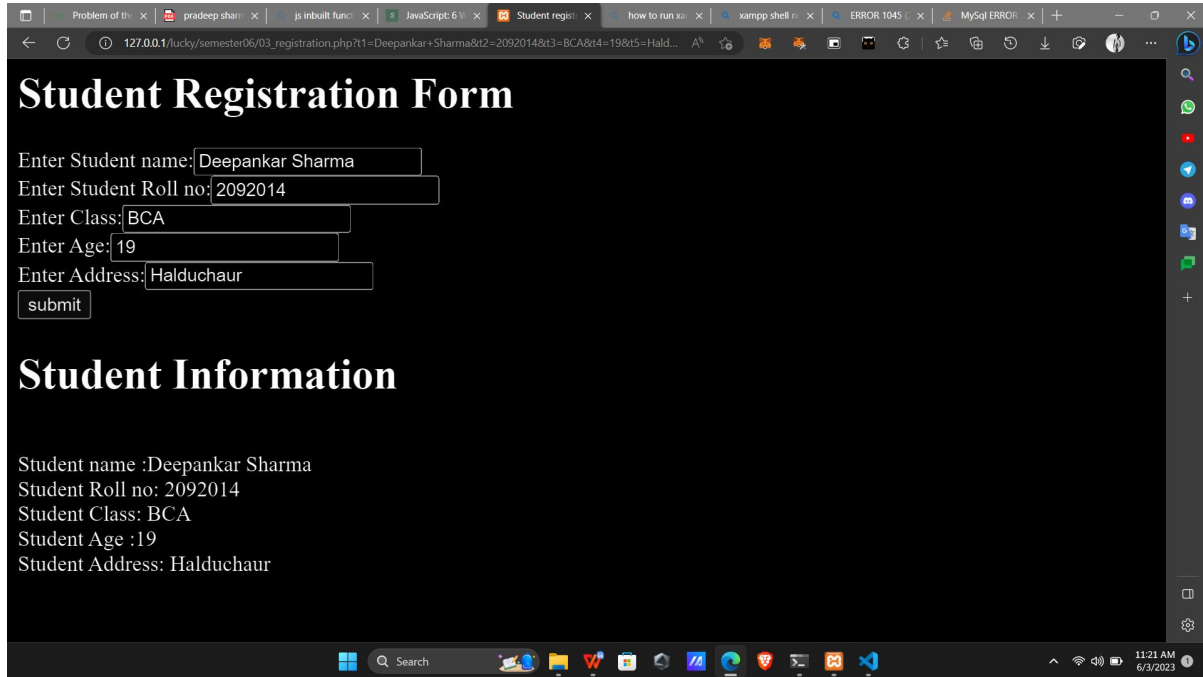
```
<!-- Develop student registration form and display all the submitted data on the page -->
```

```
<html>
<title>Student registration</title>
<h1>Student Registration Form </h1>
<body>
<form method=get action="">
Enter Student name:<input type=text name=t1 value="<?php if
(isset($_GET['t1']))
    echo
        $_GET['t1']; ?>"></br>
Enter Student Roll no:<input type=text name=t2 value="<?php if
(isset($_GET['t2']))
    echo
        $_GET['t2']; ?>"></br>
Enter Class:<input type=text name=t3 value="<?php if
(isset($_GET['t3']))
    echo
        $_GET['t3']; ?>"></br>
Enter Age:<input type=text name=t4 value="<?php if
(isset($_GET['t4']))
    echo
        $_GET['t4']; ?>"></br>
Enter Address:<input type=text name=t5 value="<?php if
(isset($_GET['t5']))
    echo
        $_GET['t5']; ?>"></br>
<input type=submit value=submit></br>
</form>
</body>
</html>
<?php
$name = $_GET['t1'];
$roll = $_GET['t2'];
$class = $_GET['t3'];
$age = $_GET['t4'];
$add = $_GET['t5'];
if (isset($_GET['t1'])) {
    if ($name == "" || $roll == "" || $class == "" || $age == "" ||
$add == "") {
        echo "All fields are compulsory :";
    } else {

        echo "<h1>Student Information </h1></br>";
```

```
        echo "Student name :$name</br>";
        echo "Student Roll no: $roll</br>";
        echo "Student Class: $class</br>";
        echo "Student Age :$age</br>";
        echo "Student Address: $add</br>";
    }
}
?>
```

Output:



The screenshot shows a web browser window with a dark theme. The browser's address bar displays the URL: `127.0.0.1/lucky/semester06/03_registration.php?t1=Deepankar+Sharma&t2=2092014&t3=BCA&t4=19&t5=Hald...`. The page content is divided into two main sections. The first section, titled "Student Registration Form", contains five input fields with labels: "Enter Student name:", "Enter Student Roll no:", "Enter Class:", "Enter Age:", and "Enter Address:". The fields are filled with the values "Deepankar Sharma", "2092014", "BCA", "19", and "Halduchaur" respectively. A "submit" button is located below the address field. The second section, titled "Student Information", displays the submitted data in a plain text format: "Student name :Deepankar Sharma", "Student Roll no: 2092014", "Student Class: BCA", "Student Age :19", and "Student Address: Halduchaur". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system clock in the bottom right corner indicates the time is 11:21 AM on 6/3/2023.

Student Registration Form

Enter Student name: Deepankar Sharma
Enter Student Roll no: 2092014
Enter Class: BCA
Enter Age: 19
Enter Address: Halduchaur
submit

Student Information

Student name :Deepankar Sharma
Student Roll no: 2092014
Student Class: BCA
Student Age :19
Student Address: Halduchaur