Practical End Sem

Thursday, June 8, 2023 4:21 PM

Swapping, two Numbers

```php
<?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;
?>
```

create table in PHP

$con = new mysqli(servername, username, password, database);

```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();
?>
```

Registration form

```php
<!-- 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>";
    }
}
?>
```

Lists in HTML

- ordered list <ol>
- unordered list <ul>
- description list <dl> </dl>

```php
<!-- To implement List in HTML -->
<!DOCTYPE html>
<head>
    <title>List</title>
</head>
<body>
    <!-- unordered list -->
    <ul style="list-style-type:square;">
        <li>Coffee</li>
        <li>Tea</li>
        <li>Milk</li>
    </ul>
    <!-- ordered list -->
    <ol>
        <li>Coffee</li>
        <li>Tea</li>
        <li>Milk</li>
    </ol>
    <!-- description list -->
    <dl>
        <dt>Coffee</dt>
        <dd>- black hot drink</dd>
        <dt>Milk</dt>
        <dd>- white cold drink</dd>
    </dl>
</body>
</html>
```

```php
<!-- implement table in HTML -->
<html>
<head>
    <title> Table </title>
</head>
<body>
    <br><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>
            <td>
                <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>
```

```php
<!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>
```

Popup and Alert in Javascript

```php
<!-- 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>
```

```php
<!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>
```

CSS Box Model

```php
<!-- 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.  -->
```

```php
/* 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;
padding: 10px;
border-radius: 5px;
cursor: pointer;
}
.external-styles .btn:hover {
background-color: darkgreen;
}
```

```php
<!-- 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>
```

```php
// 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))
```

```php
<!-- // 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>
```

To install PHP using XAMPP, you can follow these steps:

1. **Download XAMPP**: Go to the official XAMPP website (https://www.apachefriends.org/) and download the XAMPP installer compatible with your operating system (Windows, macOS, or Linux).

2. **Run the Installer**: Run the downloaded XAMPP installer. Follow the installation wizard instructions and choose the components you want to install. Ensure that the "PHP" component is selected.

3. **Select Installation Directory**: Choose the directory where you want to install XAMPP. The default directory is usually fine, but you can choose a different one if needed.

4. **Start the Installation**: Start the installation process by clicking the "Next" button. The installer will copy the necessary files to your selected directory.

5. **Choose Additional Components**: In the next screen, you may be prompted to install additional components like Apache, MySQL, and phpMyAdmin. Choose the components according to your requirements and click "Next."

6. **Choose PHP Version**: Select the version of PHP you want to install. XAMPP usually provides multiple PHP versions, so choose the one you prefer and click "Next."

7. **Configure PHP**: In this step, you can configure the PHP settings based on your needs. You can adjust settings like maximum file size, error reporting, and time zone. Once configured, click "Next."

8. **Finish Installation**: Review the installation summary and click "Next" to start the installation process. Wait for the installer to finish copying the files and configuring the components.

9. **Launch XAMPP Control Panel**: After the installation is complete, you can launch the XAMPP Control Panel. This panel allows you to start or stop the Apache web server, MySQL database server, and other installed components.

10. **Start Apache and MySQL**: Start the Apache and MySQL services from the XAMPP Control Panel. These services are required to run PHP scripts and interact with databases.

11. **Test PHP Installation**: Open a web browser and enter "http://localhost" in the address bar. If everything is installed correctly, you should see the XAMPP welcome page. To test PHP specifically, create a PHP file (e.g., `test.php`) in the `htdocs` directory of your XAMPP installation folder and add the following code:

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

Save the file and access it in your browser by navigating to "http://localhost/test.php". If PHP is working correctly, you will see the PHP information page with details about your PHP installation.

That's it! You have successfully installed PHP using XAMPP. You can now start developing and running PHP applications on your local machine.