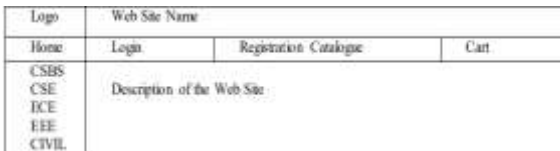


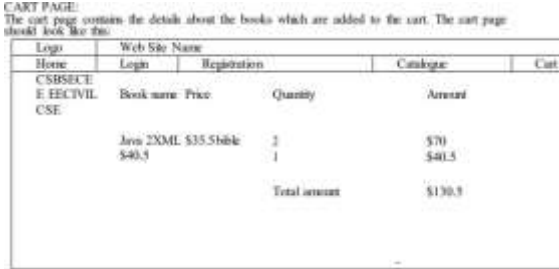


## PARTICULARS OF EXPERIMENTS PERFORMED

Serial No.	NAME OF THE EXPERIMENT	Page No.	Date of Expt.	Date of Submission	Remarks
1.	<p>Design the following static web pages required for an online book store web site.</p> <p><b>HOME PAGE:</b></p> <p>The static home page must contain three frames.</p> <p>Top frame: Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).</p> <p>Left frame: At least four links for navigation, which will display the catalogue of respective links.</p> <p>For e.g.: When you click the link “MCA” the catalogue for MCA Books should be displayed in the Right frame.</p> <p>Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.</p>  <p>LOGIN PAGE</p> <p>This page looks like below:</p> 	1-5	11-04-23	18-04-23	
2.	<p><b>CATALOGUE PAGE:</b></p> <p>The catalogue page should contain the details of all the books available in the web site in a table.</p> <p>The details should contain the following:</p> <ol style="list-style-type: none"> <li>1. Snap shot of Cover Page.</li> <li>2. Author Name.</li> <li>3. Publisher.</li> <li>4. Price.</li> <li>5. Add to cart button.</li> </ol>	6-8	18-04-23	25-04-23	

					
3.	<p><b>CART PAGE:</b></p> <p>The cart page contains the details about the books which are added to the cart.</p> <p>The cart page should look like this:</p> <p><small>CART PAGE: The cart page contains the details about the books which are added to the cart. The cart page should look like this.</small></p> 	9-10	25-04-23	02-05-23	
4.	<p><b>REGISTRATION PAGE:</b></p> <p>Create a “registration form “with the following fields</p> <ol style="list-style-type: none"> <li>1) Name (Text field)</li> <li>2) Password (password field)</li> <li>3) E-mail id (text field)</li> <li>4) Phone number (text field)</li> <li>5) Sex (radio button)</li> <li>6) Date of birth</li> <li>7) Languages known (check boxes – English, Telugu, Hindi, Tamil)</li> <li>8) Address (text area)</li> </ol> <p><b>VALIDATION:</b></p> <ol style="list-style-type: none"> <li>1. Write Java Script to validate the following fields of the above registration page. <ol style="list-style-type: none"> <li>a. Name (Length should not be less than 6 characters).</li> <li>b. Password (Password should not be less than 6 characters length).</li> <li>c. E-mail id (should not contain any invalid and must follow the standard <a href="mailto:patternname@domain.com">patternname@domain.com</a>)</li> <li>d. Phone number (Phone number should contain 10 digits only).</li> </ol> </li> </ol>	11-17	02-05-23	13-06-23	

	2. Write Java Script to validate the above login page with the above parameters.				
5.	<p>Design a web page using CSS (Cascading Style Sheets) which includes the following: Use different font ,styles: In the style definition you define how each selector should work (font, color etc.). Then ,in the body of your pages, you refer to these selectors to activate the styles. For example:</p> <pre> &lt;HTML&gt; &lt;HEAD&gt; &lt;style type="text/css"&gt; B.headline {color:red;font-size:22px;font-family:arial;text-decoration:underline} &lt;/style&gt; &lt;/HEAD&gt; &lt;BODY&gt; &lt;b&gt;This is normal bold&lt;/b&gt;&lt;br&gt; &lt;b class="headline"&gt;This is headline style bold&lt;/b&gt; &lt;/BODY&gt; &lt;/HTML&gt; </pre> <p>Set a background image for both the page and single elements on the page. You can define the background image for the page like this:</p> <pre> BODY {background-image:url(myimage.gif)} </pre> <p>Control the repetition of the image with the background-repeat property. As background-repeat: repeat Takes the image until the entire page is filled just like an ordinary background image in plain HTML.</p> <p>Define styles for links as A:link A:visited A:active A:hover</p>	18-19	13-06-23	20-06-23	

6.	<p>Write an XML file which will display the Book information which includes the following:</p> <ul style="list-style-type: none"> <li>a. Title of the book</li> <li>b. Author Name</li> <li>c. ISBN number</li> <li>d. Publisher name</li> <li>e. Edition</li> <li>f. Price</li> </ul> <p>Write a Document Type Definition (DTD) to validate the above XML file. Display the XML file as follows:</p> <p>The contents should be displayed in a table. The header of the table should be in colour GREY. And the Author names column should be displayed in one colour and should be capitalized and in bold. Use your own colours for remaining columns.</p> <p>Use XML schemas XSL and CSS for the above purpose.</p> <p>Note: Give atleastfor4 books. It should be valid syntactically. Hint: You can use some xml editors like XML-spy.</p>	20-22	20-06-23	27-06-23	
7.	<p>Write Program in PHP to demonstrate basics of PHP.</p> <p>Convert all the previous forms to PHP forms.</p> <p>Write a PHP Code to make database connection, Create Data Base in MySQL.</p> <p>Write a program in PHP to perform CRUD (Create, Insert, Update, Delete operations)</p> <p>Study of Image Uploading in PHP and Design A form which upload And Display Image in PHP.</p>	23-34	27-06-23	04-07-23	
8.	<p>Create a table which should contain at least the following fields: name, password, email id, phone number (these should hold the data from the registration form). Write a PHP code to connect to that database and extract data from the table and display them. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page (week2).</p> <p>Update user data, delete specific users.</p>	35-42	04-07-23	11-07-23	

1.

**Design the following static web pages required for an online book store web site.**

**HOME PAGE:**

The static home page must contain three frames.

Top frame : Logo and the college name and links to Home page, Login page, Registration page, Catalogue page and Cart page (the description of these pages will be given below).

Left frame : At least four links for navigation, which will display the catalogue of respective links.

For e.g.: When you click the link “MCA” the catalogue for MCA Books should be displayed in the Right frame.

Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site.

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
mca mba BCA	Description of the Web Site			

**Title.html**

```
<html>
```

```
<head>
```

```
    <style>
```

```
    p
```

```
    {
```

```
        font-family: Arial, Helvetica, sans-serif;
```

```
        font-size:50px;
```

```
        color:blue;
```

```
    }
```

```
</style>
```

```
<style>
```

```
body {
```

```
        font-family: Arial, Helvetica, sans-serif;
```

```
        margin: 0;
```

```
        padding: 0;
```

```
        background-color:#FFFF9F
```

```
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
    <p style="text-align:center"> ONLINE BOOK STORE</p>
```

```
</body>
```

Home.html

<html>

```
<frameset rows="18%,8%,77%" bordercolor="green">
    <frameset cols="15%,85%" bordercolor="green">
        <frame src="Logo.html" scrolling="yes">
        <frame src="Title.html" >
    </frameset>
    <frame src="Menu.html" name="f2" scrolling="no">
    <frameset cols="15%,85%" bordercolor="green">
        <frame src=" Branches.html" name="f31">
        <frame src="Description.html" name="f32">
    </frameset>
</frameset>
```

## Logo.html

<html>

```
<style>

    body {

        font-family: Arial, Helvetica, sans-serif;

        margin: 0;


        padding: 0;

        background-color:#FFCCE5

    }


```

<body>



mg src="https://rvrjce.ac.in/examcell/results/batchpg20/images/RVRJC-Estd-2.jpg" width="75" height="75" >

**Branches.html**

```
<html>

    <head>
        <style>
            a{
                font-size:20px;
                color:red;
                font-family: Arial, Helvetica, sans-serif;
            }
            a:hover
            {
                color:green;
            }
        </style>
        <style>
            body {
                font-family: Arial, Helvetica, sans-serif;
                margin: 0;
                padding: 0;
                background-color:#87CEFA
            }
        </style>
    </head>
    <body>
        <table cellpadding=15>
            <tr> <td> <a href="#" target="f32"> CSBS </a> </td> </tr>
            <tr> <td> <a href="#" target="f32"> CSE </a> </td> </tr>
            <tr> <td> <a href="#" target="f32"> ECE </a> </td> </tr>
            <tr> <td> <a href="#" target="f32"> Civil </a> </td> </tr>
            <tr> <td> <a href="#" target="f32"> Mechanical </a> </td> </tr>
        </table>
    </body>
</html>
```

**Menu.html**

```
<html>

  <body >

    <style>

      a{

        font-size:20px;

        font-family: Arial, Helvetica, sans-serif;

      }

      body {

        font-family: Arial, Helvetica, sans-serif;

        margin: 0;

        padding: 0;

        background-color:#E0E0E0

      }

    </style>

    <table width="100%">

      <tr>

        <td> <a href="Description.html" target="f32"><b> Home</b></a></td>

        <td> <a href="Login.html" target="f32"><b> Login </b></a></td>

        <td> <a href="RegistrationForm.html" target="f32"><b>

Registration</b></a></td>

        <td> <a href="Catalogue.html"

target="f32"><b>Catalogue</b></a></td>

        <td> <a href="Cart.html" target="f32"><b>Cart </b></a></td>

      </tr>

    </table>

  </body>

</html>
```



**Description.html**`<html>``<body>``<link rel="stylesheet" href="Style.css">``<center> <u> ONLINE BOOK STORE </u></center>``<pre style="text-align:center">`

An online book store dedicated to MCA (Master of Computer Applications), MBA (Master of Business Administration), and BCA (Bachelor of Computer Applications) would cater specifically to students and professionals in these fields, providing a comprehensive selection of books and resources tailored to their educational and career needs.

The book store's website would feature a clean and intuitive interface, designed to help users easily navigate and find the books they are looking for. Upon visiting the website, customers would be greeted with a visually appealing homepage that highlights the latest releases, bestsellers, and featured books relevant to MCA, MBA, and BCA.

The catalog of books available in the online store would encompass a wide range of topics within the domains of MCA, MBA, and BCA. For MCA, the store would offer textbooks, reference guides, and resources covering programming languages, database management, software engineering, algorithms, data structures, network security, artificial intelligence, and other related subjects.

These books would cater to both beginner-level students and those pursuing advanced studies or research in the field.






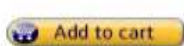


`</pre>``</body> </html>`**Login.html**`<html>``<head>``<title> Login Page </title>``<link rel="stylesheet" href="Style.css">``</head>``<body>``<form name="login" style="text-align:center">``<h3> <u> Login Page </u> </h3>``UserName: <input type="text" name="uname" ><br><br>``Password: <input type="password" name="pwd" ><br><br>``<input type="submit" value="Submit" >``<input type="reset" value="Reset">``</form>``</body>``</html>`

2.

**CATALOGUE PAGE**

The catalogue page should contain the details of all the books available in the web site in a table. The details should contain the following:

1. Snap shot of Cover Page.
2. Author Name.
3. Publisher.
4. Price.
5. Add to cart button

Web Site Name				
Logo				
Home	Login	Registration	Catalogue	Cart
MCA	   	Book : XML Bible Author : Winston Publication : Wiley	\$ 40.5	
MBA		Book : AI Author : S. Russel Publication : Princeton hall	\$ 63	
BCA		Book : Java 2 Author : Watson Publication : BPB publications	\$ 35.5	
		Book : HTML in 24 hours Author : Sam Peter Publication : Sam	\$ 50	

**Catalogue.html**

```

<html>
  <head>
    <title>Catalogue</title>
    <link rel="stylesheet" href="Style.css">
  </head>
  <body>
    <h1>Books for students</h1>
    <table width="70%" height="100%" border="2" align="center">
      <tr bgcolor="#5e8000">
        <th> <font color="white"> Book </font> </th>
        <th> <font color="white"> Details </font> </th>
        <th> <font color="white"> Price </font> </th>
        <th> <font color="white"> Cart </font> </th>
      </tr>
      <tr>
        <td>  </td>

<td> Book: Algorithms

<br>Author: Brian Christian, Tom Griffiths

<br>Publication: Henry Holt and Co

</td>

<td>₹2,293.00</td>

<td><button class="button1">Add to Cart</button></td>

</tr> <tr>

<td>   
</td>

<td> Book: AI

<br>Author: S.Russel

<br>Publication: Princeton hall

</td>

<td>₹5204.78</td>

<td><button class="button1">Add to Cart </button></td>

</tr>

<tr>

<td>   
</td>

<td> Book: Java 2

<br>Author: Watston

<br>Publication: BPB publications</td>

<td>₹2932.85</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

<tr>

<td></td>

<td>

Book: Fundamentals of Software Engineering

```
<br>Author: Rajib Mall
<br>Publication: Prentice Hall India Pvt.

</td>

<td>₹425.00</td>

<td><button class="button1">Add to Cart</button></td>

</tr>

</table>

</body>
</html>
```

### Style.css

```
body {
    font-family: Arial, Helvetica, sans-serif;
    background-color: #CCFFE5
}

h1 {
    text-align: center;
}

table {
    width: 100%;
    border-collapse: collapse;
}

th, td {
    border: 1px solid black;
    padding: 10px;
}

img {
    width: 100px;
}

button {
    background-color: #000;
    color: #fff;
    padding: 10px;
    border: none;
    cursor: pointer;
}
```

3.

**CART PAGE:**

The cart page contains the details about the books which are added to the cart. The cart page should look like this:

Logo	Web Site Name			
Home	Login	Registration	Catalogue	Cart
CSBSECE E EECIVIL CSE	Book name	Price	Quantity	Amount
	Java 2XML	\$35.5	2	\$70
	bible	\$40.5	1	\$40.5
	Total amount			\$130.5

**Cart.html**

```

<html>

  <head>

    <title>Cart</title>

    <link rel="stylesheet" href="Style.css">

  </head>

  <body>

    <h1> Cart </h1>

    <table align="center" cellpadding="10" cellspacing="10" fontsize="20px">

      <tr>

        <td><b>Book Name<b></td>

        <td><b>Price<b></td>

        <td><b>Quantity<b></td>

        <td><b>Amount<b></td>

      </tr>

      <tr>

        <td>Algorithms</td>

        <td>₹2,293.00</td>

        <td>1</td>

        <td>₹2,293.00</td>

      </tr>

    </table>

  </body>

</html>

```

```
</tr>
<tr>
    <td> Fundamentals of Software Engineering</td>
    <td>₹425.00</td>
    <td>2</td>
    <td>₹850.00</td>
</tr>
<tr>
    <td><h2>Total Amount = ₹3,143.00</h2></td>
</tr>
</table>
<button>Checkout</button>
</body>
</html>
```

4.

**REGISTRATION PAGE:**

Create a “registration form “with the following fields

- 1) Name (Text field)
- 2) Password (password field)
- 3) E-mail id (text field)
- 4) Phone number (text field)
- 5) Sex (radio button)
- 6) Date of birth
- 7) Languages known (check boxes – English, Telugu, Hindi, Tamil)
- 8) Address (text area)

**VALIDATION:**

1. Write Java Script to validate the following fields of the above registration page.
  - a. Name (Length should not be less than 6characters).
  - b. Password (Password should not be less than 6 characters length).
  - c. E-mail id (should not contain any invalid and must follow the standard patternname@domain.com)
  - d. Phone number(Phone number should contain 10 digits only).
2. Write Java Script to validate the above login page with the above parameters

**Registration.html**

```
<html>
    <head>
        <style>
            h1 {
                color: #800080;
            }

            ul {
                list-style-type: none;
                margin: 0;
                padding: 0;
                overflow: hidden;
                background-color: #333;
            }
            li {
```

```
float: left;
}
li a {
  display: block;
  color: white;
  text-align: center;
  padding: 15px 16px;
  text-decoration: none;
  font-size: 20;
}
li a: hover: not (. active) {
  background-color: #ff8080;
}
.vertical-menu {
  width: 200px;
}
.vertical-menu a {
  background-color: #fff;
  color: black;
  display: block;
  padding: 12px;
  text-decoration: none;
}
.vertical-menu a: hover {
  background-color: #ff8080;
}
input[type=text] {
  width: 75%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
  font-size: 15px;
```



```
}  
textarea {  
    width: 75%;  
    padding: 8px 10px;  
    margin: 8px 0;  
    display: inline-block;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
    box-sizing: border-box;  
    font-size: 15px;  
}  
select {  
    width: 50%;  
    padding: 12px;  
    margin: 8px 0;  
    display: inline-block;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
    box-sizing: border-box;  
}  
input[type=email] {  
    width: 75%;  
    padding: 12px 20px;  
    margin: 8px 0;  
    display: inline-block;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
    box-sizing: border-box;  
    font-size: 15px;  
}  
input[type=tel] {  
    width: 75%;  
    padding: 12px 20px;  
    margin: 8px 0;  
    display: inline-block;
```

```
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
        font-size: 15px;
    }
    input[type=date] {
        width: 75%;
        padding: 12px 20px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        border-radius: 4px;
        box-sizing: border-box;
        font-size: 15px;
    }
    input[type=submit] {
        width: 60%;
        background-color: #4CAF50;
        color: white;
        padding: 14px 10px;
        margin: 8px 0;
        border: none;
        border-radius: 4px;
        cursor: pointer;
        font-size: 18px;
    }
    input[type=submit]: hover {
        background-color: #339900;
        color: black;
    }

    label {
        color: black;
        padding: 8px;
        font-size: 20px;
```

```

    }
    input[type=password] {
        width: 75%;
        padding: 12px 20px;
        margin: 8px 0;
        display: inline-block;
        border: 1px solid #ccc;
        border-radius: 3px;
        box-sizing: border-box;
        font-size: 15px;
    }
    body {
        font-family: Arial, Helvetica, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #CCFFE5
    }
</style>
</head>
<body>
    <form name="my form" method="POST" action="register" on submit="return validate form()">
    <table align="center">
    <tr>
        <td><label>Name:</label></td>
        <td><input type="text" name="Name" placeholder="Enter only alphabets"
required><br></td>
    </tr>
    <tr>
        <td><label>Password:</label></td>
        <td><input type="Password" name="Pass" required></td>
    </tr>
    <tr>
        <td><label>Email ID:</label></td>
        <td><input type="email" name="mail" required><br></td>
    </tr>
    <tr>

```

```

        <td><label>Phone Number:</label></td>

        <td><input type="tel" id="phone" name="phone" pattern="[6-9]{1}[0-9]{9}"
required></td>

    </tr>

    <tr>

        <td><label>Sex:</label></td>

        <td><label><input type="radio" id="male" name="gender" value="male"
required>Male</label>

        <label><input type="radio" id="female" name="gender" value="female"
required>Female</label><br></td>

    </tr>

    <tr>

        <td><label>DOB:</label></td>

        <td><input type="date" name="dob" required><br></td>

    </tr>

    <tr>

        <td><label>Languages Known:</label></td>

        <td> <input type="checkbox" id="eng" name="eng" value="English">
<label for="eng">English</label><br>
<input type="checkbox" id="tel" name="tel" value="Telugu">
<label for="tel">Telugu</label><br>
<input type="checkbox" id="hin" name="hin" value="Hindi">
<label for="hin">Hindi</label><br>
<input type="checkbox" id="tam" name="tam" value="Tamil">
<label for="tam">Tamil</label><br></td>

    </tr>

    <tr>

        <td><label>Address</label></td>

        <td><textarea rows="4" cols="40"></textarea></td>

    </tr><br>

    <tr>

        <td><input type="submit" value="Register"></td>

    </tr>

</table>

<script>

function validateform () {

```

```
var name=document.myform.Name.value;
if (name. length<6) {
    alert("Name must be at least 6 characters long.");
    return false;
}
var password=document.myform.Pass.value;
if (password. Length<6) {
    alert ("Password must be at least 6 characters long.");
    return false;
}
}
</script>
</body>
</html>
```

5. Design a web page using CSS (Cascading Style Sheets) which includes the following: Use different font styles: In the style definition you define how each selector should work (font, color etc.). Then, in the body of your pages, you refer to these selectors to activate the styles.

For example:

```
<HTML>
<HEAD>
<style type="text/css">
B.headline {color:red;font-size:22px;font-family:arial;text-decoration:underline}
</style>
</HEAD>
<BODY>
<b>This is normalbold</b><br>
<b class="headline">This is headline style bold</b>
</BODY>
</HTML>
```

Set a background image for both the page and single elements on the page. You can define the background image for the page like this:

```
BODY {background-image:url(myimage.gif);}
```

Control the repetition of the image with the background-repeat property.

As background-repeat: repeat

Tiles the image until the entire page is filled, just like an ordinary background image in plain HTML.

Define styles for links as A:link A:visited A:active A:hover

### Styles.html

```
<html>
```

```
<head>
```

```
<h1>This header is in red</h1>
```

```
<style>
```

```
body
```

```
{
```

```
background-image:url("image.jpg");
```

```
background-repeat: repeat
```

```
}
```

```
h1
```

```
{
```

```
color:red;
```

```
font-family: caStellar; font-size:22pt;
```

```
text-decoration: underline;
```

```
}
```

```
h2
```

```
{
    color: green;
    font-family: Chiller; font-size:18pt;
    text-decoration: overline;
}
p
{
    color: magenta;
    font-family: Trebuchet MS; font-size:14pt;
    font-style: italic;
}
button {
    background-color: white;
    color: black;
    border: 2px solid #4CAF50;
}
button: hover {
    background-color: #4CAF50;
    color: white;
}
</style>
</head>
<body>
    <h2>This header is in green</h2>
    <p>This is normal text</p>
    <button type="button">Click Me</button>
</body>
</html>
```

## 6. Write an XML file which will display the Book information which includes the following:

- a. Title of the book
- b. Author Name
- c. ISBN number
- d. Publisher name
- e. Edition
- f. Price

Write a Document Type Definition (DTD) to validate the above XML file. Display the XML file as follows:

The contents should be displayed in a table.

The header of the table should be in color GREY.

And the Author names column should be displayed in one color and should be capitalized and in bold.

Use your own colors for remaining columns.

Use XML schemas XSL and CSS for the above purpose .

Note: Give atleast for 4 books. It should be valid syntactically. Hint: You can use some xml editors like XML-spy.

### CatalogueDTD.dtd

```
<!ELEMENT Catalogue (Book)*>
<!ELEMENT Book (Title, Author, Publication, Edition, ISBN, Price)>
<!ELEMENT Title (#PCDATA)>
<!ELEMENT Publication (#PCDATA)>
<!ELEMENT Edition (#PCDATA)>
<!ELEMENT ISBN (#PCDATA)>
<!ELEMENT Price (#PCDATA)>
```

### CatalogueCSS.css

```
Catalogue
{
    font-family: arial;
    color: blue;
    font-size: 16pt;
}

Book
```



```
{
    font-family: times new roman;
    color: blue;
    table-layout: auto;
    font-size:14pt
}
```

Title

```
{
    font-family: arial;
    color: green;
    margin-left:20pt;
    font-size:12pt
}
```

Author

```
{
    font-family: arial;
    color: magenta
}
```

Publication, Edition, ISBN, Price

```
{
    display: block;
    font-family: arial;
    color: purple;
    font-size:10pt;
    margin-left:40pt
}
```

### **CatalogueXML.xml**

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="CatalogueCSS.css"?>
<!DOCTYPE Catalogue SYSTEM "CatalogueDTD.dtd">
<Catalogue>
    <Book>
```

<Title>XML Bible</Title>  
<Author>Winston</Author>  
<Publication>Wiely</Publication>  
<Edition>Fifth Edition</Edition>  
<ISBN>0-7645-4760-7</ISBN>  
<Price>\$40.5</Price >

</Book>

<Book>  
<Title>Artificial Intelligence</Title>  
<Author>S. Russel</Author>  
<Publication> Princeton Hall </Publication>  
<Edition> Sixth Edition</Edition>  
<ISBN> 0-13-1038-5-2 </ISBN>  
<Price>\$63</Price>

</Book>

<Book>  
<Title>Java 2</Title>  
<Author>Watson</Author>  
<Publication>BPB Publications</Publication>  
<Edition>Third Edition</Edition>  
<ISBN>0-41-1058-7-2</ISBN>  
<Price>\$63</Price>

</Book>

<Book>  
<Title>HTML in 24 hours </Title>  
<Author> Sam Peter</Author>  
<Publication> SAM Publications </Publication>  
<Edition>Fifth Edition</Edition>  
<ISBN> 0-672-32841-0 </ISBN>  
<Price> \$50 </Price >

</Book>

</Catalogue>

7.

**a) Write Program in PHP to demonstrate basics of PHP.****HTML.html**

```
<html>

    <body>

        <h4 > Reverse of a Number </h4>

        <form method="POST" action="PHP.php">

            <table align="center" cellspacing="5">

                <tr>

                    <td>Enter a Number to calculate its reverse:</td>

                    <td><input type="number" name="n"></td>

                </tr>

                <tr>

                    <td ><input type="submit" value="Calculate"></td>

                </tr>

            </table>

        </form>

    </body>

</html>
```

**PHP.php**

```
<?php

function reversDigits($num)
{
    $rev_num = 0;
    while($num > 1) {
        $rev_num = $rev_num * 10 + $num % 10;
        $num = (int)$num / 10;
    }
    return $rev_num;
}

if ($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $num = $_POST['n'];
    echo "Original number is : ".$num."<br>";
    echo "Reverse of ".$num." is: ", reversDigits($num);
}
```

```
}  
?>
```

**b) Convert all the previous forms to PHP forms.**

**FormValidation.html**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Student Registration for Placements </title>
```

```
<style>
```

```
    input[type=text],input[type=email],select,textarea,input[type=date],input[type=number]{
```

```
        width: 90%;
```

```
        padding: 12px 20px;
```

```
        margin: 8px 0;
```

```
        display: inline-block;
```

```
        border: 0.5px solid #ccc;
```

```
        border-radius: 4px;
```

```
        box-sizing: border-box;
```

```
    }
```

```
    button[type=submit] {
```

```
        width: 50%;
```

```
        background-color: #4CAF50;
```

```
        color: white;
```

```
        padding: 14px 20px;
```

```
        margin: 8px 0;
```

```
        border: none;
```

```
        border-radius: 4px;
```

```
        cursor: pointer;
```

```
    }
```

```
    button[type=reset] {
```

```
        width: 50%;
```

```
        background-color:#FF4433 ;
```

```
        color: white;

        padding: 14px 20px;

        margin: 8px 0;

        border: none;

        border-radius: 4px;

        cursor: pointer;

    }

    button[type=reset]:hover {

        background-color: #D22B2B;

    }

    button[type=submit]:hover {

        background-color:#008000;

    }

</style>

<script>

    function validateForm() {

        let f = document.forms["myForm"]["fname"].value;

        let l = document.forms["myForm"]["lname"].value;


        if (f==" ") {

            alert("First Name can't be Empty!");

            return false;

        }

        if (l==" ") {

            alert("Last Name can't be Empty!");

            return false;

        }

        let rno = document.forms["myForm"]["rno"].value;

        let length = rno.length;

        if (length!=8) {
```

```

        alert("Please verify your Registered number!");

        return false;

    }

    let stream = document.forms["myForm"]["stream"].value;

    if (stream=="Select") {

        alert("Please select your Stream of study!");

        return false;

    }

    alert("Your details are Successfully submitted!");

}

</script>

</head>

<body style="background-image:linear-gradient(to
right,#99CCFF,#CCFFE5,#CCFFFF,#CCE5FF,#CCCCFF,#E5CCFF,#FFCCFF,#FFCCE5,#E0E0E0);" >

<table align="center" border="1" style="background-color:#99FFCC;">

<td> <form name="myForm" onsubmit="return validateForm()" method="post"
action="PlacementData.php">

<table>

    <caption align="center"> <u> <h2> Student Information for Placements </h2> </u> </caption>

    <tr>

        <td> <label> First Name </label> </td>

        <td> <input type="text" placeholder="Your First Name..." name="fname" required> </td>

    </tr>

    <tr>

        <td><label> Last Name </label></td>

        <td> <input type="text" placeholder="Your Last Name..." name="lname" required></td>

    </tr>

    <tr>

        <td> <label > Registered No. </label> </td>

        <td> <input type="text" placeholder="Your Registered Number..." name="rno" required>

</td>

    </tr>

```

```

<tr>

    <td> <label> Email ID </label> </td>

    <td> <input type="email" placeholder="Your Email Id for contact..." name="email"
required> </td>

</tr>

<tr>

    <td> <label> Stream </label> </td>

    <td> <select name="stream" required>

        <option> Select </option>

        <optgroup label="IT">

            <option> CSBS </option>

            <option> CSE </option>

            <option> IT </option>

        </optgroup>

        <optgroup label="Non-IT">

            <option> Civil </option>

            <option> Mech </option>

        </optgroup>

    </select></td>

</tr>

<tr>

    <td> <label> Gender </label> </td>

    <td>
        <input type="radio" name="gender" value="Male"> Male
        <input type="radio" name="gender" value="Female"> Female
        <input type="radio" name="gender" value="Others"> Others </td>

</tr>

<tr>

    <td> <label> DOB </label> </td>

    <td> <input type="date" name="dob" required> </td>

</tr>

<tr>

```

```

        <td> <label> Education Gap </label> </td>

        <td> <input type="number" placeholder="Gap in Education(if any...)" name="gap"> </td>

    </tr>

    <tr>

        <td> <label> Programming Languages Learnt </label> </td>

        <td>  <input type="checkbox" name="pl" value="C"> C </br>

                <input type="checkbox" name="pl" value="C++"> C++ </br>

                <input type="checkbox" name="pl" value="Java"> Java </br>

                <input type="checkbox" name="pl" value="Python"> Python </br> </td>

    </tr>

    <tr>

        <td> <label> Certifications and Skills </label> </td>

        <td> <textarea rows="5" cols="35" name="cs"></textarea></td>

    </tr>

    <tr>

        <td align="center"> <button type="reset" name="reset" > Reset </button> </td>

        <td align="center"> <button type="submit" name="submit"> Submit </button></td>

    </tr>

</table>

</form> </td>

</table>

</body>

</html>

```

### **PlacementData.php**

```

<html>

<body>

<table border="1" align="center">

<?php

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

    {

        $fname=$_REQUEST["fname"];

        $lname=$_REQUEST["lname"];

```



```

$рно=$_REQUEST["rno"];
$email=$_REQUEST["email"];
$stream=$_REQUEST["stream"];
$gender=$_REQUEST["gender"];
$dob=$_REQUEST["dob"];
$gap=$_REQUEST["gap"];
$pl=$_REQUEST["pl"];
$cs=$_REQUEST["cs"];

echo "<center> Hello <b> $fname $lname!</b> <br/> <br/><i>Your Details are
successfully registered for Placements!</i> <br/></br></center>";

echo "<center> <b> <i> Here is your Data: </b></i> <br/><br/> </center>";

echo "<tr> <th> Key </th> <th> Value </th> </tr>";
echo "<tr> <td> First Name </td> <td> $fname </td> </tr>";
echo "<tr> <td> Last Name </td> <td> $lname </td> </tr>";
echo "<tr> <td> Registered No. </td> <td> $рно </td> </tr>";
echo "<tr> <td> Email ID </td> <td> $email</td> </tr>";
echo "<tr> <td> Stream </td> <td> $stream </td> </tr>";
echo "<tr> <td> Gender </td> <td> $gender </td> </tr>";
echo "<tr> <td> DOB </td> <td> $dob </td> </tr>";
echo "<tr> <td> Education Gap </td> <td> $gap </td> </tr>";
echo "<tr> <td> Programming Languages </td> <td> $pl </td> </tr>";
if($cs=="")
{
    echo "<tr> <td> Certifications </td> <td> - </td> </tr>";
}
else
{
    echo "<tr> <td> Certifications </td> <td> $cs </td> </tr>";
}
}

?>
</table>
<?php
    echo "<br/> <center> <i>Thank You for registering, any further updates will be sent to </i>
<b>$email</b> </center><br/>";
?>

```

&lt;/body&gt;

&lt;/html&gt;

**c) Write a PHP Code to make database connection, Create Data Base in MySQL.****DBConnection.php**

&lt;?php

\$servername = "localhost";

\$username = "root";

\$password = "";

\$conn = new mysqli(\$servername, \$username, \$password);

if (\$conn-&gt;connect\_error)

{

die("Connection failed: " . \$conn-&gt;connect\_error);

}

\$sql = "CREATE DATABASE MWALAB";

if (\$conn-&gt;query(\$sql) === TRUE)

{

echo "Database created successfully";

}

else

{

echo "Error creating database: " . \$conn-&gt;error;

}

\$conn-&gt;close();

?&gt;

**d) Write a program in PHP to perform CRUD (Create, Insert, Update, Delete operations)****Create.php**

&lt;?php

\$hostname='localhost';

\$username='root';

\$password="";

\$database='mwlab';

\$conn=new mysqli(\$hostname,\$username,\$password,\$database);

if(\$conn-&gt;connect\_error)

{

```
        die('connection failed'.$conn->connect_error);
    }
    $sql = "CREATE TABLE DETAILS(
        Name VARCHAR(30),
        Email VARCHAR(30),
        Nptelcourse VARCHAR(50))";

    if ($conn->query($sql) === TRUE) {
        echo "Table created successfully";
    }
    else {
        echo "Error creating table! " . $conn->error;
    }
    $conn->close();
?>
```

### Insert.php

```
<?php
$hostname='localhost';
$username='root';
$password="";
$database='mwalab';
$conn=new mysqli($hostname,$username,$password,$database);
if($conn->connect_error){
    die('connection failed'.$conn->connect_error);
}
$sql = "insert into Details (Name,Email,Nptelcourse)values
    ('Ram','ram@gmail.com','CC'),
    ('Seetha','seetha@gmail.com','BlockChain'),
    ('Lakshman','lakshman@gmail.com','Java'),
    ('Hanuman','hanuman@gmail.com','IIOT-4.0)";
$query=mysqli_query($conn,$sql);
```

```
if($query) {  
    echo 'Details are inserted successfully';  
}  
else {  
    echo "Error inserting into table " . $conn->error;  
}  
?>
```

### Update.php

```
<?php  
    $hostname = 'localhost';  
$username = 'root';  
    $password = "";  
    $database = 'MWALAB';  
    $conn = new mysqli($hostname, $username, $password, $database);  
if ($conn->connect_error) {  
    die('Connection failed: ' . $conn->connect_error);  
}  
$sql = "UPDATE Details SET Email = 'Lakshmana@gmail.com' WHERE Nptelcourse = 'Java'";  
if ($conn->query($sql) === TRUE)  
{  
    echo "Table updated successfully<br>";  
}  
else  
{  
    echo "Error updating table! " . $conn->error . "<br>";  
}  
?>
```

**Delete.php**

```
<?php
$hostname='localhost';
$username='root';
$password='';
$database="MWALAB";
$conn=new mysqli($hostname,$username,$password,$database);
if($conn->connect_error){
    die('connection failed'. $conn->connect_error);
}
$sql="DELETE FROM Details WHERE Name='Seetha'";
if ($conn->query($sql) === TRUE) {
    echo "Deleted successfully<br>";
}
else {
    echo "Error Deleting table: " . $conn->error . "<br>";
}
?>
```

**e) Study of Image Uploading in PHP and Design a form which uploads And Display Image in PHP**

**ImageForm.html**

```
<html>
    <head>
        <title>Image Upload Form</title>
    </head>
    <body align="center">
        <form action="UploadPhoto.php" method="post" enctype="multipart/form-data">
            <label for="fileToUpload">Select image to upload:</label>
            <input type="file" name="fileToUpload" id="fileToUpload"><br><br><br>
            <input type="submit" value="Upload Image" name="submit">
        </form>
    </body>
</html>
```

**UploadPhoto.php**

```
<?php
```

```
    $target_dir = "uploads/";
```

```
    $image_file = $_FILES["fileToUpload"];
```

```
    if ($image_file["error"] !== UPLOAD_ERR_OK) {  
        echo "Error uploading image: " . $image_file["error"];  
        exit;  
    }
```

```
    $image_name = $image_file["name"];
```

```
    $image_extension = pathinfo($image_name, PATHINFO_EXTENSION);
```

```
    $new_image_name = uniqid() . "." . $image_extension;
```

```
    move_uploaded_file($image_file["tmp_name"], $target_dir . $new_image_name);
```

```
    echo "<img src=\"" . $target_dir . $new_image_name . "\">";
```

```
?>
```

8.

a) Create a table which should contain at least the following fields: name, password, email id, phone number (these should hold the data from the registration form).

**RegistrationTable.php**

```
<?php

    $hostname='localhost';

    $username='root';

    $password="";

    $database='mwalab';

    $conn=new mysqli($hostname,$username,$password,$database);

    if($conn->connect_error)

    {

        die('connection failed'.$conn->connect_error);

    }

    $sql = "CREATE TABLE UserRegistration (
    name varchar(25) NOT NULL,
    password varchar(25) NOT NULL,
    email varchar(25) NOT NULL,
    phno bigint(10) NOT NULL)";

    if ($conn->query($sql))

    {

        echo "Table created successfully";

    }

    else

    {

        echo "Error creating table: " . $conn->error;

    }

    $conn->close();

?>
```

b) Write a PHP code to connect to that database and extract data from the table and display them. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page (week2). Update user data, delete specific users.

### RegHTML.html

```
<html>

    <head>

        <title>Student Registration</title>

    </head>

    <body>

        <h1 align="center" style="color:#000000;">Student Registration</h1>

        <form action="RegPHP.php" method="POST">

            <table align="center">

                <tr>

                    <td><label>Name: </label></td>

                    <td><input type="text" name="name" required><br></td>

                </tr>

                <tr>

                    <td><label>Password: </label></td>

                    <td><input type="password" name="password" required><br></td>

                </tr>

                <tr>

                    <td><label>Email ID: </label></td>

                    <td><input type="email" name="email" required><br></td>

                </tr>

                <tr>

                    <td><label>Phone No.: </label></td>

                    <td><input type="tel" id="phone" name="phno" placeholder="[6-9]x[0-9]xxxxxxxx" pattern="[6-9]{1}[0-9]{9}" required></td>

                </tr>

                <tr>

                    <td><input type="reset" value="Reset"></td>

                    <td><input type="submit" value="Submit"></td>

                </tr>

            </table>

        </form>

    </body>

</html>
```



**RegPHP.php**

&lt;?php

```
if($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $name = $_POST['name'];
    $password = $_POST['password'];
    $mail = $_POST['email'];
    $phone = $_POST['phno'];
    $hostname = 'localhost';
    $username = 'root';
    $password = "";
    $database = 'mwalab';
    $conn = new mysqli($hostname, $username, $password, $database);
    if ($conn->connect_error)
    {
        die('Connection failed: ' . $conn->connect_error);
    }
    $sql = "INSERT INTO UserRegistration VALUES ('$name','$password','$mail','$phone')";
    if ($conn->query($sql))
    {
        echo '<h2>Welcome dear '.$name.'!!<br></h2>';
        echo 'Your details are Successfully stored in Database!';
        echo '<h3> <b> <i> <a href="main.html"> Click Here </a> to go to home
        Page!</i></b> </h3>';
    }
    else
    {
        echo "Error in inserting data!" . $conn->error . "<br>";
    }
    $conn->close();
}
```

?&gt;

**RegSelect.html**

```
<html>

  <body>

    <form method="POST" action="RegSelect.php">

      <table align="center" cellspacing="5">

        <tr>

          <td>Enter Column:</td>

          <td><input type="text" name="col"></td>

        </tr>

        <tr>

          <td>Enter Value:</td>

          <td><input type="text" name="value"></td>

        </tr>

        <tr>

          <td><input type="submit" value="Select"></td>

        </tr>

      </table>

    </form>

  </body>

</html>
```

**RegSelect.php**

```
<?php

  if ($_SERVER['REQUEST_METHOD'] == 'POST')

  {

    $col = $_POST['col'];

    $value = $_POST['value'];

    $hostname = 'localhost';

    $username = 'root';

    $password = '';

    $database = 'mwalab';

    $conn = new mysqli($hostname, $username, $password, $database);

    if ($conn->connect_error)

    {

      die('Connection failed: ' . $conn->connect_error);

    }

  }

}
```

```

    }

    $sql = "SELECT * FROM userRegistration";
    if (!empty($col) && !empty($value)) {
        $sql .= " WHERE ` $col ` = '$value'";
    }

    $result = $conn->query($sql);
    if ($result && $result->num_rows > 0) {

        echo "<table border='1'>";
        echo "<tr><th> Name </th><th> Email ID </th><th> Phone Number</th></tr>";
        while ($row = mysqli_fetch_assoc($result))
        {
            $row = mysqli_fetch_assoc($result);
            echo "<tr>";
            echo "<td>" . $row["name"] . "</td>";
            echo "<td>" . $row["email"] . "</td>";
            echo "<td>" . $row["phno"] . "</td>";
            echo "</tr>";
        }
        echo "</table>";

    }

    else
    {
        echo "No records found<br>";
    }

    $conn->close();
}

?>

```

### RegUpdate.html

```

<html>

    <head>

        <title> Update form </title>

    </head>

    <body>

```

```

<form method="POST" action="RegUpdate.php">
<table align="center">
<tr>
<td><label>Enter Column Name:</label></td>
<td><input type="text" name="col" required><br></td>
</tr>
<tr>
<td><label>Enter New value:</label></td>
<td><input type="text" name="value" required><br></td>
</tr>
<tr>
<td><label>Enter Condition Column:</label></td>
<td><input type="text" name="cc" required><br></td>
</tr>
<tr>
<td><label>Enter value:</label></td>
<td><input type="text" name="cv" required><br></td>
</tr>
<tr>
<td colspan="2"><input type="submit" value="Update Table"></td>
</tr>
</table>
</form>
</body>

```

```
</html>
```

### RegUpdate.php

```
<?php
```

```

if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $columnname = $_POST['col'];
    $newvalue = $_POST['value'];
    $conditioncolumn = $_POST['cc'];
    $conditionvalue = $_POST['cv'];
    $hostname = 'localhost';
    $username = 'root';
    $password = "";

```

```

        $database = 'mwalab';

        $conn = new mysqli($hostname, $username, $password, $database);

        if ($conn->connect_error) {
            die('Connection failed: ' . $conn->connect_error);
        }

        $sql = "UPDATE userregistration SET `$columnname` = '$newvalue' WHERE
`$conditioncolumn` = '$conditionvalue'";

        if ($conn->query($sql))
        {
            echo "Table updated successfully<br>";
        }
        else
        {
            echo "Error in updating table!" . $conn->error . "<br>";
        }

        $conn->close();
    }
?>

```

### **RegDelete.html**

```

<html>
    <body>
        <form method="POST" action="RegDelete.php">
            <table align="center">
                <tr>
                    <td><label>Name (to Delete): </label></td>
                    <td><input type = "text" name = "name" required> <br> </td>
                </tr>
                <tr>
                    <td><input type="reset" value="Reset"></td>
                    <td><input type="submit" value="Submit"></td>
                </tr>
            </table>
        </form>
    </body> </html>

```

**RegDelete.php**

```
<?php
    if($_SERVER['REQUEST_METHOD'] == 'POST')
    {
        $conditioncolumn = $_POST['name'];
        $hostname = 'localhost';
        $username = 'root';
        $password = '';
        $database = 'mwalab';
        $conn = new mysqli($hostname, $username, $password, $database);
        if ($conn->connect_error) {
            die('Connection failed: ' . $conn->connect_error);
        }
        $sql = "DELETE FROM userregistration WHERE name = '$conditioncolumn'";
        if ($conn->query($sql) === TRUE) {
            echo "Row Deleted successfully<br>";
        }
        else {
            echo "Error Deleting Row from Table! " . $conn->error . "<br>";
        }
        $conn->close();
    }
?>
```