**PROGRAM-2**

2.A) WRITE A HTML PROGRAM TO EXPLAIN THE WORKING OF TABLES (use tags table,tr,th,td,border,row span ,col span)

**Common HTML Table tags**

* <tr> - represents rows
* <td> - used to create data cells
* <th> - used to add table headings
* <caption> - used to insert captions
* <thead> - adds a separate header to the table
* <tbody> - shows the main body of the table
* <tfoot> - creates a separate footer for the table

 Rowspan: Combines rows for the same data

 Colspan: Combines columns

 Styling: Table styling for better readability.

**Cell padding** specifies the space between the cell content and its borders. If we do not specify a padding, the table cells will be displayed without padding.

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Table Demonstration</title>

<style>

table {

border-collapse: collapse;

width: 80%;

margin: 20px auto;

}

th, td {

border: 1px solid black;

padding: 10px;

text-align: center;

}

th {

background-color: #f4f4f4;

}

</style>

</head>

<body>

<h1 style="text-align: center;">Working with HTML Tables</h1>

<table border="1">

<!-- Table Header -->

<tr>

<th rowspan="2">S.No</th>

<th colspan="2">Name</th>

<th rowspan="2">Age</th>

<th rowspan="2">Country</th>

</tr>

<tr>

<th>First Name</th>

<th>Last Name</th>

</tr>

<!-- Table Rows -->

<tr>

<td>1</td>

<td>John</td>

<td>Doe</td>

<td>28</td>

<td>USA</td>

</tr>

<tr>

<td>2</td>

<td>Jane</td>

<td>Smith</td>

<td>34</td>

<td>Canada</td>

</tr>

<tr>

<td rowspan="2">3</td>

<td>Ali</td>

<td>Khan</td>

<td>30</td>

<td>Pakistan</td>

</tr>

<tr>

<td>Sara</td>

<td>Ahmed</td>

<td>27</td>

<td>UAE</td>

</tr>

</table>

</body>

</html>

B) WRITE A HTML PROGRAM TO EXPALIN THE WORKING OF TABLES by preparing a timetable(use caption tag, cell spacing cell padding tags table ,tr,th,td,border,row span ,col span)

<!DOCTYPE html>

<html>

<head>

<title>Time Table</title>

</head>

<body >

<center>

<h2>ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY</h2>

<h4>DEPARTMENT OF CSE-AIML</h4>

<h6>II AIML</h6>

<table border="1" cellpadding="15" cellspacing="1" >

<tr>

<th colspan="8" bgcolor="#FFF7BC">TIME TABLE</th>

</tr>

<tr>

<td align="center" rowspan="2" bgcolor="#FBD6D2">DAY/HOUR</td>

<td align="center" bgcolor="#F4FCD9">1</td>

<td align="center" bgcolor="#F4FCD9">2</td>

<td align="center" bgcolor="#F4FCD9">3</td>

<td align="center" bgcolor="#F4FCD9">4</td>

<td align="center" bgcolor="#F4FCD9">5</td>

<td align="center" bgcolor="#F4FCD9">6</td>

<td align="center" bgcolor="#F4FCD9">7</td>

</tr>

<tr>

<td colspan="3" align="center" bgcolor="#B8FFF9">9:30-12:00</td>

<td align="center" bgcolor="#B8FFF9">1:00-1:50</td>

<td align="center" bgcolor="#B8FFF9">1:50-2:40</td>

<td align="center" bgcolor="#B8FFF9">2:40-3:30</td>

<td align="center" bgcolor="#B8FFF9">3:30-4:20</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Monday</td>

<td rowspan="6" colspan="3" align="center" bgcolor="#FAD9E6">Training</td>

<td align="center" bgcolor="#DFF6FF">DWDM</td>

<td align="center" bgcolor="#DFF6FF">WT</td>

<td align="center" bgcolor="#DFF6FF">RPA</td>

<td align="center" bgcolor="#DFF6FF">ML</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Tuesday</td>

<td align="center" bgcolor="#DFF6FF">OOAD</td>

<td colspan="3" align="center" bgcolor="#FFBED8">OOAD LAB</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Wednesday</td>

<td align="center" bgcolor="#DFF6FF">RPA</td>

<td align="center" bgcolor="#DFF6FF">ML</td>

<td align="center" bgcolor="#DFF6FF">WT</td>

<td align="center" bgcolor="#DFF6FF">DWDM</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Thursday</td>

<td align="center" bgcolor="#DFF6FF">WT</td>

<td align="center" bgcolor="#DFF6FF">ML</td>

<td align="center" bgcolor="#DFF6FF">CC</td>

<td align="center" bgcolor="#DFF6FF">OOAD</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Friday</td>

<td align="center" bgcolor="#DFF6FF">ML</td>

<td align="center" bgcolor="#DFF6FF">CC</td>

<td align="center" bgcolor="#DFF6FF">DWDM</td>

<td align="center" bgcolor="#DFF6FF">RPA</td>

</tr>

<tr>

<td align="center" bgcolor="#C3E5AE">Saturday</td>

<td align="center" bgcolor="#DFF6FF">CC</td>

<td colspan="3" align="center" bgcolor="#FFBED8">WT LAB</td>

</tr>

</table>

</center>

</body>

</html>

2)C ) WRITE A HTML PROGRAM to explain the working of forms by designing registrtion form.(use text field,password field, number field,date of birth field,check boxess,radio buttons ,list boxes using list,select,options ,text area,two buttons,submit ,reset )

 Text Fields: Input fields for first name and last name.

 Password Field: A secure input field for passwords.

 Number Field: Input for age with a range constraint.

 Date of Birth Field: A date picker for selecting the date of birth.

 Checkboxes: For selecting hobbies.

 Radio Buttons: To select gender.

 Dropdown List: A select dropdown for country selection.

 Text Area: A large text box for additional information or a bio.

 Submit and Reset Buttons: To submit or clear the form.

**CODE:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Registration Form</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

}

form {

max-width: 600px;

margin: auto;

padding: 20px;

border: 1px solid #ccc;

border-radius: 10px;

box-shadow: 2px 2px 12px rgba(0, 0, 0, 0.1);

}

label {

display: block;

margin: 10px 0 5px;

}

input, select, textarea, button {

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px;

}

button {

width: auto;

cursor: pointer;

background-color: #28a745;

color: white;

border: none;

}

button:hover {

background-color: #218838;

}

</style>

</head>

<body>

<h1 style="text-align: center;">Registration Form</h1>

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

<label for="first-name">First Name:</label>

<input type="text" id="first-name" name="first-name" placeholder="Enter your first name" required>

<label for="last-name">Last Name:</label>

<input type="text" id="last-name" name="last-name" placeholder="Enter your last name" required>

<label for="password">Password:</label>

<input type="password" id="password" name="password" placeholder="Enter a secure password" required>

<label for="age">Age:</label>

<input type="number" id="age" name="age" min="1" max="100" placeholder="Enter your age" required>

<label for="dob">Date of Birth:</label>

<input type="date" id="dob" name="dob" required>

<label>Gender:</label>

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

<label for="male" style="display: inline;">Male</label>

<input type="radio" id="female" name="gender" value="Female" required>

<label for="female" style="display: inline;">Female</label>

<input type="radio" id="other" name="gender" value="Other">

<label for="other" style="display: inline;">Other</label>

<label>Hobbies:</label>

<input type="checkbox" id="reading" name="hobbies" value="Reading">

<label for="reading" style="display: inline;">Reading</label>

<input type="checkbox" id="traveling" name="hobbies" value="Traveling">

<label for="traveling" style="display: inline;">Traveling</label>

<input type="checkbox" id="sports" name="hobbies" value="Sports">

<label for="sports" style="display: inline;">Sports</label>

<label for="country">Country:</label>

<select id="country" name="country" required>

<option value="">--Select Your Country--</option>

<option value="USA">USA</option>

<option value="Canada">Canada</option>

<option value="India">India</option>

<option value="Australia">Australia</option>

</select>

<label for="bio">Bio:</label>

<textarea id="bio" name="bio" rows="5" placeholder="Tell us something about yourself..."></textarea>

<button type="submit">Submit</button>

<button type="reset">Reset</button>

</form>

</body>

</html>

**2) D) Write a html program to explain the working of frames such that eacg apge id divided into three parts on either direction(first frame image, second frame paragraph,third frame hyperlink,and also make sure of using no frame attribute such that frames to be fixed)**

HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document independently. A collection of frames in the browser window is known as a frameset. The window is divided into frames in a similar way the tables are organized: into rows and columns.

1. **image.html**

<html>

<head>

<title>basic tags</title>

</head>

<font size="5">

<body bgcolor="pink">

<font color="black">

</marquee>

<marquee><h1><u><b>

<font color="blue">flowers</b></u></h1>

<h2>lotus is our national flower</h2>

<img src=" "C:\Desktop\lotusflower.jpg " width="250"

height="250">

<h3>

</html>

<font color="red">have a nice day!!!!!!!!!!!!!</h3>

</body>

1. **para.html**

<!DOCTYPE html>

<html>

<head>

<title>Paragraph</title>

</head>

<body>

<p>

HTML frames are used to divide your browser window into multiple sections where each section can load a separate HTML document independently.   
A collection of frames in the browser window is known as a frameset.

The window is divided into frames in a similar way the tables are organized: into rows and columns.

</p>

</body>

</html>

1. **hyperlink.html**

<html>

<head>

<title>Html basic tags</title>

</head>

<body>

<a href="https://www.google.com/html/">

Visit google page

</a>

</body>

</html>

**Frames.html**

<!DOCTYPE html>

<html>

<head>

<title>Frames</title>

</head>

<frameset cols="30%,30%,\*">

<frame src="image.html">

<frame src="para.html">

<frame src="hyperlink.html">

</frameset>

</html>