

Experiment-1

Name: Veeransh Shah
Reg Id: 221070063

Aim:

1. Resume Preparation using Tables
2. Home Page Creation using Frames
3. Form Creation.

Theory:

1. What is HTML & DHTML? What is the difference between them?

Ans : HTML (Hypertext Markup Language):

- HTML is the standard markup language used to create the structure and content of web pages.
 - It provides a set of elements or tags that define the structure of a document, such as headings, paragraphs, lists, links, images, and more.
 - HTML documents are static and do not have inherent interactivity or dynamic behavior. They describe the structure of content but do not handle dynamic changes or user interactions without the help of additional technologies like CSS (Cascading Style Sheets) and JavaScript.
2. DHTML (Dynamic Hypertext Markup Language):
 - DHTML is not a separate language; rather, it is a term used to describe the dynamic and interactive features added to HTML using a combination of HTML, CSS, and JavaScript.
 - DHTML allows web developers to create more interactive and responsive web pages by manipulating the Document Object Model (DOM) using JavaScript.
 - With DHTML, you can create effects like dropdown menus, animations, dynamically updating content, and interactive elements that respond to user actions.

Key Differences:

- Nature:
 - HTML is a static markup language used for creating the structure and content of web pages.
 - DHTML refers to the dynamic and interactive features added to HTML using technologies like JavaScript.
- Functionality:
 - HTML focuses on defining the structure of a document, and it is mainly static.
 - DHTML introduces dynamic and interactive behavior to HTML documents, allowing for changes and responses based on user actions.
- Languages Involved:

- HTML itself is a standalone markup language.
- DHTML involves the combination of HTML, CSS, and JavaScript to create dynamic and interactive web pages.

In summary, HTML is the foundation for creating static web pages, while DHTML is a term that encompasses the dynamic and interactive features achieved through the use of HTML, CSS, and JavaScript. DHTML is more about enhancing the user experience by adding interactivity and responsiveness to web pages.

2. What are various tags used in HTML?

Ans: HTML (Hypertext Markup Language) uses a variety of tags to structure content on a web page. Here are some commonly used HTML tags:

1. `<html>`: Defines the root of an HTML document.
2. `<head>`: Contains meta-information about the HTML document, such as title, links to stylesheets, and scripts.
3. `<title>`: Sets the title of the HTML document, displayed in the browser's title bar or tab.
4. `<body>`: Contains the content of the HTML document, such as text, images, links, etc.
5. `<h1>` to `<h6>`: Define header tags for headings, with `<h1>` being the largest and `<h6>` the smallest.
6. `<p>`: Defines a paragraph.
7. `<a>`: Creates a hyperlink, allowing users to navigate to another page or resource.
8. ``: Embeds an image in the document.
9. ``: Defines an unordered (bulleted) list.
10. ``: Defines an ordered (numbered) list.
11. ``: Represents a list item within `` or ``.
12. `<div>`: Represents a generic container that can be used to group other HTML elements.
13. ``: Represents an inline container, often used for applying styles or scripting to a specific portion of text.
14. `
`: Inserts a line break.
15. `<hr>`: Represents a horizontal rule, creating a visible break in the content.
16. `` or ``: Indicates strong importance, making text bold.
17. `` or `<i>`: Emphasizes text, making it italic.
18. `<u>`: Underlines text.
19. `<table>`: Defines a table.
20. `<tr>`: Defines a table row.
21. `<td>`: Defines a table cell (data).
22. `<th>`: Defines a table header cell.

Code 1:

```
<!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">

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

  <title>STUDENT RESUME</title>

  <style>

    body {

      width: 100vw;

      margin: 0;

      padding: 0;

      font-family: Arial, sans-serif;

    }


    strong {

      font-size: 60px;

      margin-left: 20px;

      width: 100vw;

    }
```

```
hr {  
  
    position: relative;  
  
    width: 98%;  
  
    height: 2px;  
  
    background-color: rgb(177, 177, 177);  
  
    left: 1%;  
  
}
```

```
table {  
  
    width: 80%;  
  
    margin: 20px auto;  
  
    border-collapse: collapse;  
  
}
```

```
th, td {  
  
    padding: 10px;  
  
    text-align: left;  
  
    border-bottom: 1px solid rgb(177, 177, 177);  
  
}
```

```
#black-image {  
  
    width: 20px;  
  
    height: 100%;  
  
    background-color: black;
```

```
        position: absolute;

        top: 0;

        left: 0;

    }

</style>

</head>

<body>

    <div>

        <strong>STUDENT RESUME</strong>

        <hr>

        <table>

            <tr>

                <th>Name</th>

                <td>Veeransh Shoh</td>

            </tr>

            <tr>

                <th>Student ID</th>

                <td>221070063</td>

            </tr>

            <tr>
```

```
<th>Department</th>
```

```
<td>Computer Science</td>
```

```
</tr>
```

```
<tr>
```

```
<th>Skills</th>
```

```
<td>
```

```
<table>
```

```
<tr>
```

```
<th>Tech Stack</th>
```

```
<th>Projects</th>
```

```
</tr>
```

```
<tr>
```

```
<td>Web Tech</td>
```

```
<td>
```

```
<ul>
```

```
<li>VJTI Website Clone</li>
```

```
<li>Created a Resume</li>
```

```
</ul>
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td>Machine Learning</td>
```

```
<td>
```

```
<ul>
```

```
<li>Transformer From Scratch</li>
```

```
<li>MNIST classifier</li>

<li>Created mini projects of RNN and LSTM's </li>

</ul>

</td>

</tr>

<tr>

<td>App Development</td>

<td>

<ul>

<li>Created a Fintech App</li>

<li>Full stack App Developer- FrontEnd and BackEnd</li>

</ul>

</td>

</tr>

</table>

</td>

</tr>

<tr>

<th>Course Code</th>

<td>R4CO2011A</td>

</tr>

</table>

<hr style="margin-top: 25px;">

</div>

</body>
```

```
</html>
```

Code 2:

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>VJTI homepage</title>

<link rel="stylesheet"

href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all

n.css"

integrity="sha512-DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovl

nee

1c9QX4TctnWMn13TZye+giMm8e2LwA==" crossorigin="anonymous"

referrerpolicy="no-referrer" />

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

</head>

<body>

<header>

<div class="navbar">

<div class="head-hindi">
```



```
<h2>वैरमाता जिजाबाई तंत्रज्ञान संस्था</h2>

<div class="head-hindi-subtext">

  ( महाराष्ट्र शासनाची स्वायत्त संस्था )

</div>

</div>

<div class="head-logo">

<div class="logo"></div>

</div>

<div class="head-eng">

<h2>Veermata Jijabai Technological Institute</h2>

<div class="head-eng-subtext">

  (An Autonomous Institute of Government of Maharashtra)

</div>

</div>

</div>

</div>

<hr class="line1">

<div class="navbar2">

<div class="navbar-items">

<ul>

  <li><a href="#">About</a>

    <div class="content">

      <ul>

        <li><a href="#About">History</a></li>

        <hr>

        <li><a href="#About">Vision &
```

Mission

<hr>

Director

VJTI

<hr>

Administration

<hr>

Deans at

VJTI

<hr>

Compliance/Disclosure

<hr>

VJTI in India NIRF

rankings

<hr>

VJTI 2021

AIIRA

<hr>

How to reach VJTI

Mumbai

<hr>

Contact Us


```
</div>

</li>

<li><a href="#">Students</a>

<div class="content">

<ul>

<li><a href="#Students">Announcement for
Degree students</a></li>

<hr>

<li><a href="#Students">Announcement for
Diploma students</a></li>

<hr>

<li><a href="#Students">Useful forms for
students</a></li>

<hr>

<li><a href="#Students">Student
acheivements</a></li>

<hr>

<li><a href="#Students">Fees and
Registration</a></li>

<hr>

<li><a
href="#Students">Scholarships</a></li>

<hr>

<li><a href="#Students">Student
Organizations</a></li>
```



```
Registration</a></li>

</ul>

</div>

</li>

<li><a href="#">Academics</a>

<div class="content">

<ul>

<li><a href="#Academics">Rules and

Guidelines for

DIPLOMA/ UG /PG-MCA and Ph.D</a></li>

<hr>

<li><a href="#Academics">Academic

Calender</a></li>

<hr>

<li><a href="#Academics">First year Degree

details</a></li>

<hr>

<li><a href="#Academics">First year

Diploma details</a></li>

<hr>

<li><a href="#Academics">Academic

Departments</a></li>

</ul>

</div>

</li>
```

```
<li><a href="#">Career & Alumni</a>

<div class="content">

<ul>

<li><a href="#Career & Alumni">Job
openings at VJTI</a></li>

<hr>

<li><a href="#Career &
Alumni">Alumni</a></li>

</ul>

</div>

</li>

<li><a href="#">TPO</a></li>

<li><a href="#">Facilities</a>

<div class="content">

  <ul>

    <li><a href="#Facilities">Hostel
Facilities</a></li>

    <hr>

    <li><a href="#Facilities">Library</a></li>

    <hr>

    <li><a href="#Facilities">Women
development cell</a></li>

    <hr>

    <li><a href="#Facilities">CoE
CNDS</a></li>
```

```
<hr>

<li><a href="#Facilities">Labs</a></li>

<hr>

<li><a href="#Facilities">TEQIP</a></li>

<hr>

<li><a href="#Facilities">National Cadet
Corpes (NCC)</a></li>

<hr>

<li><a href="#Facilities">Other
facilities</a></li>

</ul>

</div>

</li>

<li><a href="#">Activities & Events</a></li>

<li><a href="#">GIAN Course</a></li>

<li><a href="#">Tenders</a></li>

<li><a href="#">NEP-2020</a></li>

<li><a href="#">Others</a>

<div class="content">

<ul>

<li><a href="#Others">Committees formed
under UGC</a></li>

<hr>

<li><a href="#Others">Non Teaching
Seniority list</a></li>
```

```

        <hr>

        <li><a href="#Others">Useful forms for
        faculty and staff</a></li>

        <hr>

        <li><a href="#Others">VJTI TBI</a></li>

<hr>

<li><a href="#Others">Right to
Information(RTI)</a></li>

</ul>

</div>

</li>

</ul>

</div>

</div>

</header>

<div class="main-body">

<div class="body-img">

<div class="img"></div>

<br><br>

<div class="body-text">

<p>!DOCTYPE html: This declaration defines the document
type and version of HTML being used.</p>

<p>html: The root element of an HTML page.</p>

<p>head: Contains meta-information about the HTML

```


document, such as title, meta tags, link tags, style sheets, and more.</p>

<p>meta: Provides metadata about the HTML document, like character set, viewport settings, and description.</p>

<p>title: Sets the title of the HTML document, which appears in the browser's title bar or tab.</p>

<p>link: Defines external resources such as stylesheets, favicons, or linked documents.</p>

<p>header: Represents a header section, typically containing headings, logos, and navigation</p>

<p>div: Stands for division and is a container that is often used to group other HTML elements and apply styles or scripts to them.</p>

<p>h2: Heading tag. Represents a section heading, where the number indicates the level of the heading (h1 to h6).</p>

<p>hr: Represents a horizontal rule, used for separating content.</p>

<p>ul: Defines an unordered (bulleted) list.</p>

<p>li: Represents a list item, typically used within ul or ol (ordered list) elements.</p>

<p>a: Anchor tag. Creates hyperlinks to other pages or resources.</p>

<p>p: Represents a paragraph.</p>

</div>

```

</div>

</div>

<footer>

<div class="foot">

<div class="foot-text">

<p>Copyright <i class="fa-regular fa-copyright"></i> 2024

VJTI Mumbai. All rights reserved.</p>

</div>

</div>

</footer>

</body>

</html>

```

Code 3:

```

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <href></href>

  <title>Hostel Registration Form</title>

  <style>

    body {

      font-family: Arial, sans-serif;

```

```
        background-color: #f4f4f4;

        margin: 0;

        padding: 0;

        box-sizing: border-box;
    }

    .container {

        max-width: 600px;

        margin: 20px auto;

        padding: 20px;

        background-color: #fff;

        border-radius: 8px;

        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }

    h2 {

        text-align: center;

        color: #333;
    }

    form {

        margin-top: 20px;
    }

    label {

        display: block;

        margin-bottom: 8px;

        color: #555;
    }
}
```

```
input, select {

    width: 100%;

    padding: 10px;

    margin-bottom: 15px;

    border: 1px solid #ccc;

    border-radius: 4px;

    box-sizing: border-box;

}

button {

    background-color: #4caf50;

    color: #fff;

    padding: 10px 15px;

    border: none;

    border-radius: 4px;

    cursor: pointer;

    font-size: 16px;

}

button:hover {

    background-color: #45a049;

}

</style>

</head>

<body>

<div class="container">
```

```
<h2>Hostel Registration Form</h2>

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

    <label for="fullName">Full Name:</label>

    <input type="text" id="fullName" name="fullName" required>

    <label for="email">Email:</label>

    <input type="email" id="email" name="email" required>

    <label for="phone">Phone Number:</label>

    <input type="tel" id="phone" name="phone" required>

    <label for="guardians phone">Guardians Phone Number:</label>

    <input type="tel" id="guardians phone" name="guardians phone"
required>

    <label for="address">Address:</label>

    <input type="permenant address" id="address" name="address"
required>

    <label for="gender">Gender:</label>

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

        <option value="male">Male</option>

        <option value="female">Female</option>

        <option value="other">Other</option>

    </select>
```

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

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


<label for="college">College/University:</label>

<input type="text" id="college" name="college" required>


<label for="course">Course:</label>

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

    <option value="Computer Science">CS</option>

    <option value="Information Technology">IT</option>

    <option value="Electronics and
Telecommunication">EXTC</option>

    <option value="Electronics Engineering">Tronics</option>

    <option value="Electrical Engineering">Trical</option>

    <option value="Mechanical Engineering">Mech</option>

    <option value="Civil Engineering">Civil</option>

    <option value="Textile Engineering">Textile</option>

    <option value="Production Engineering">Prod</option>

</select>

    <input type="checkbox">


<label>I accept all the terms and conditions</label>


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


```
</form>

</div>

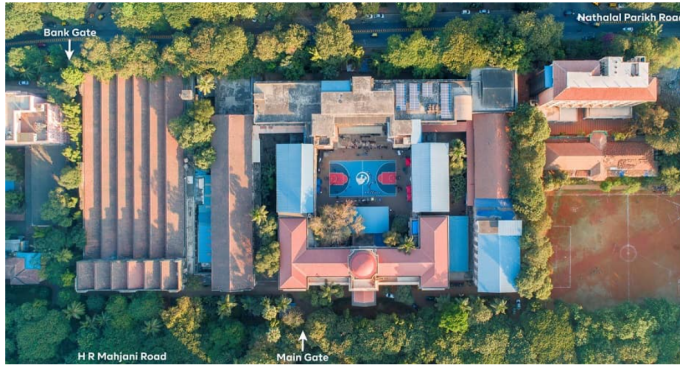
</body>

</html>
```

Output 1:

STUDENT RESUME	
	
Skills	
Course Code	

Output 2:



!DOCTYPE html: This declaration defines the document type and version of HTML being used.
html: The root element of an HTML page.
head: Contains meta-information about the HTML document, such as title, meta tags, link tags, style sheets, and more.
meta: Provides metadata about the HTML document, like character set, viewport settings, and description.
title: Sets the title of the HTML document, which appears in the browser's title bar or tab.
link: Defines external resources such as stylesheets, favicons, or linked documents.
header: Represents a header section, typically containing headings, logos, and navigation
div: Stands for division and is a container that is often used to group other HTML elements and apply styles or scripts to them.
h2: Heading tag. Represents a section heading, where the number indicates the level of the heading (h1 to h6)

Output 3:

Hostel Registration Form

Full Name:

Email:

Phone Number:

Guardians Phone Number:

Address:

Gender:

Male

Date of Birth:

dd / mm / yyyy

College/University:

Course:

CS

Submit

Conclusion:

In summary, the theoretical framework for a web developer's resume in HTML reflects a marriage of semantic structure and stylistic harmony. The use of semantic HTML tags ensures accessibility and meaning, while the CSS stylesheet contributes to a visually appealing and user-friendly presentation. This approach not only adheres to web development best practices but also serves as a testament to the individual's attention to detail and professionalism.