Batch:E-2	Roll No.: 16010123325
Experiment No. 01	

TITLE: Design the static web pages with the help of HTML5

AIM: To create static Web Pages using HTML5.
_____

Expected Outcome of Experiment: Design static web pages using various HTML tags.
_____

Books/ Journals/ Websites referred:

1.   .

_____

The students are required to design Web Application using various technologies. A group of 2-3 students will select a topic and will design a web application. Various concepts such as static page, dynamic page, connection with a backend database are essential part of the application.

Students will be required to mention overall description of the problem (website facilities) to be provided by their application.

Problem Statement:

< Explain in words what facilities / functionalities your application is expected to support>
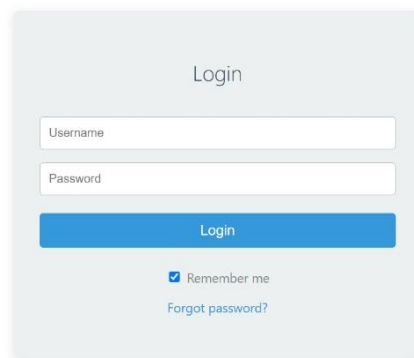
The application supports:

1. **User Registration**: Secure form to collect and validate user details.
2. **Data Display**: Organized tables for information like listings or user data.
3. **Search and Input Forms**: To query or submit information.
4. **Navigation**: Intuitive layout for seamless page access.
5. **Visual Design**: Styled content with headings, images, and text for readability.
6. **Dynamic Interactions**: Buttons for actions like submission and navigation

Description of the application implemented with output:

< Add screen shots of the pages here>

Book Catalogue

Book Title	Author	Price (INR)	Availability
The Alchemist	Paulo Coelho	499	In Stock
To Kill a Mockingbird	Harper Lee	399	In Stock
1984	George Orwell	349	Out of Stock
The Great Gatsby	F. Scott Fitzgerald	299	In Stock
The Book Thief	Markus Zusak	450	In Stock
Sapiens	Yuval Noah Harari	599	In Stock
The Catcher in the Rye	J.D. Salinger	375	Out of Stock

Register

First Name

Last Name

Email ID

Password

Confirm Password

Register

Online Book Store

Home   Catalogue   Login   Register

Welcome to Your Literary Journey

Discover a world of stories, knowledge, and imagination at your fingertips.

Explore Books

Book Catalogue

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The Catcher in the Rye	J.D. Salinger	375	Out of Stock

Login

Username

Password

Login

☑ Remember me

Forgot password?

Register

First Name

Last Name

Email ID

Password

Confirm Password

Register

Post Lab Objective with Ans (Min 5):

HTML tags Used :

<Tabulate all the HTML tags you have used to create the page, mentioning the usage>

Here is a tabulated summary of the HTML tags used in your pages, along with their usage:

HTML Tag	Usage

HTML Tag	Usage Description
<!DOCTYPE html>	Defines the document type and version of HTML.
<html>	Root element of an HTML document.
<head>	Contains meta-information about the document.
<meta>	Specifies metadata such as character set and viewport settings.
<title>	Sets the title of the document, shown in the browser's title bar or tab.
<style>	Contains CSS styles for the document.
<body>	Contains the content of the HTML document.
<header>	Defines a header section for the document or a section.
<h1>	Defines the main heading of the document.
<nav>	Defines a navigation section with links.
<a>	Defines a hyperlink.
<main>	Specifies the main content of the document.
<section>	Defines a section in the document.
<h2>	Defines a subheading.
<p>	Defines a paragraph.
<div>	Defines a division or section in the document.
<table>	Defines a table.
<thead>	Groups the header content in a table.
<tr>	Defines a row in a table.
<th>	Defines a header cell in a table.
<tbody>	Groups the body content in a table.
<td>	Defines a cell in a table.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Online Book Store</title>
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
        html {
            scroll-behavior: smooth;
        }
        body {
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-
serif;
            line-height: 1.6;
            color: #333;
            background-color: #f7f7f7;
        }
        header {
            background: #2c3e50;
            color: #ecf0f1;
            padding: 1rem;
            position: fixed;
            width: 100%;
            top: 0;
            z-index: 1000;
        }
        nav {
            background: #34495e;
            padding: 0.5rem;
            position: fixed;
            width: 100%;
            top: 4rem;
            z-index: 1000;
        }
        nav a {
            color: #ecf0f1;
            text-decoration: none;
            padding: 0.5rem 1rem;
            transition: color 0.3s ease;
```

```css
}
nav a:hover {
    color: #3498db;
}
main {
    padding-top: 7rem;
}
section {
    padding: 4rem 2rem;
}
h1, h2 {
    text-align: center;
    font-weight: 300;
}
h1 {
    font-size: 2rem;
}
h2 {
    font-size: 2.5rem;
    margin-bottom: 2rem;
    color: #2c3e50;
}
#home {
    background: linear-gradient(135deg, #3498db, #8e44ad);
    color: #fff;
    text-align: center;
    padding: 6rem 2rem;
}
#home h2 {
    font-size: 3rem;
    margin-bottom: 1rem;
    color: #fff;
    animation: fadeInDown 1s ease-out;
}
#home p {
    font-size: 1.2rem;
    max-width: 600px;
    margin: 0 auto 2rem;
    animation: fadeInUp 1s ease-out 0.5s both;
}
.cta-button {
    display: inline-block;
    padding: 0.75rem 1.5rem;
    background-color: #2ecc71;
    color: #fff;
    text-decoration: none;
    border-radius: 30px;
    font-size: 1rem;
    transition: all 0.3s ease;
```

```css
        animation: fadeInUp 1s ease-out 1s both;
    }
    .cta-button:hover {
        background-color: #27ae60;
        transform: translateY(-3px);
        box-shadow: 0 4px 10px rgba(0,0,0,0.2);
    }
    table {
        width: 100%;
        border-collapse: collapse;
        background: #fff;
        box-shadow: 0 1px 3px rgba(0,0,0,0.1);
    }
    th, td {
        padding: 1rem;
        text-align: left;
        border-bottom: 1px solid #ecf0f1;
    }
    thead {
        background: #34495e;
        color: #ecf0f1;
    }
    tbody tr:hover {
        background: #f8f9fa;
    }
    form {
        max-width: 400px;
        margin: 0 auto;
        background: #fff;
        padding: 2rem;
        border-radius: 8px;
        box-shadow: 0 2px 10px rgba(0,0,0,0.1);
    }
    input[type="text"],
    input[type="email"],
    input[type="password"] {
        width: 100%;
        padding: 0.75rem;
        margin-bottom: 1rem;
        border: 1px solid #bdc3c7;
        border-radius: 4px;
    }
    button[type="submit"] {
        width: 100%;
        padding: 0.75rem;
        background: #3498db;
        color: #fff;
        border: none;
        border-radius: 4px;
```

```
                cursor: pointer;
                font-size: 1rem;
                transition: background 0.3s ease;
            }
            button[type="submit"]:hover {
                background: #2980b9;
            }
            footer {
                background: #2c3e50;
                color: #ecf0f1;
                text-align: center;
                padding: 1rem;
                font-size: 0.9rem;
            }
        </style>
    </head>
    <body>
        <header>
            <h1>Online Book Store</h1>
        </header>
        <nav>
            <a href="#home">Home</a>
            <a href="#catalogue">Catalogue</a>
            <a href="#login">Login</a>
            <a href="#register">Register</a>
        </nav>
        <main>
            <section id="home">
                <h2>Welcome to Your Literary Journey</h2>
                <p>Discover a world of stories, knowledge, and imagination
at your fingertips.</p>
                <a href="#catalogue" class="cta-button">Explore Books</a>
            </section>
            <section id="catalogue">
                <h2>Book Catalogue</h2>
                <div style="overflow-x: auto;">
                    <table>
                        <thead>
                            <tr>
                                <th>Book Title</th>
                                <th>Author</th>
                                <th>Price (INR)</th>
                                <th>Availability</th>
                            </tr>
                        </thead>
                        <tbody>
                            <tr>
                                <td>The Alchemist</td>
                                <td>Paulo Coelho</td>
```

```html
                        <td>499</td>
                        <td style="color: #2ecc71;">In Stock</td>
                    </tr>
                    <tr>
                        <td>To Kill a Mockingbird</td>
                        <td>Harper Lee</td>
                        <td>399</td>
                        <td style="color: #2ecc71;">In Stock</td>
                    </tr>
                    <tr>
                        <td>1984</td>
                        <td>George Orwell</td>
                        <td>349</td>
                        <td style="color: #e74c3c;">Out of
Stock</td>
                    </tr>
                    <tr>
                        <td>The Great Gatsby</td>
                        <td>F. Scott Fitzgerald</td>
                        <td>299</td>
                        <td style="color: #2ecc71;">In Stock</td>
                    </tr>
                    <tr>
                        <td>The Book Thief</td>
                        <td>Markus Zusak</td>
                        <td>450</td>
                        <td style="color: #2ecc71;">In Stock</td>
                    </tr>
                    <tr>
                        <td>Sapiens</td>
                        <td>Yuval Noah Harari</td>
                        <td>599</td>
                        <td style="color: #2ecc71;">In Stock</td>
                    </tr>
                    <tr>
                        <td>The Catcher in the Rye</td>
                        <td>J.D. Salinger</td>
                        <td>375</td>
                        <td style="color: #e74c3c;">Out of
Stock</td>
                    </tr>
                </tbody>
            </table>
        </div>
    </section>
    <section id="login">
        <h2>Login</h2>
        <form action="#" method="post">
```

```html
                <input type="text" name="username"
placeholder="Username" required>
                <input type="password" name="password"
placeholder="Password" required>
                <button type="submit">Login</button>
                <div style="margin-top: 1rem; text-align: center;">
                    <label style="font-size: 0.9rem; color: #7f8c8d;">
                        <input type="checkbox" name="remember" checked>
Remember me
                    </label>
                    <p style="margin-top: 0.5rem; font-size: 0.9rem;">
                        <a href="#" style="color: #3498db; text-
decoration: none;">Forgot password?</a>
                    </p>
                </div>
            </form>
        </section>
        <section id="register">
            <h2>Register</h2>
            <form action="#" method="post">
                <input type="text" name="first_name" placeholder="First
Name" required>
                <input type="text" name="last_name" placeholder="Last
Name" required>
                <input type="email" name="email" placeholder="Email ID"
required>
                <input type="password" name="password"
placeholder="Password" required>
                <input type="password" name="confirm_password"
placeholder="Confirm Password" required>
                <button type="submit">Register</button>
            </form>
        </section>
    </main>
    <footer>
        <p>&copy; 2025 Online Book Store. All rights reserved.</p>
    </footer>
</body>
</html>
```