

Assignment :-1

1) Simple HTML document (Hobby)

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>My Hobby</title>

</head>

<body>

    <h1>My Hobby</h1>

    <p>My hobby is playing the guitar. Jab bhi free time milta hai,
main guitar bajana pasand karta hoon.</p>

</body>

</html>
```

Output

My Hobby

My hobby is playing the guitar. Jab bhi free time milta hai, main guitar bajana pasand karta hoon.

2) Five Paragraph Webpage (Season)

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>My Favorite Season</title>

</head>

<body>

    <h1>Winter Season</h1>

    <p>Winter mujhe isliye pasand hai kyunki thandi hawa bahut achhi lagti hai.</p>

    <p>Is season me warm coffee aur soup ka alag hi maza hota hai.</p>

    <p>Winter ke festivals aur holidays sabko ek saath laate hain.</p>

    <p>Is time jackets aur sweaters pehenna mujhe pasand hai.</p>

    <p>Shaam ko halki thand me walk karna bahut peaceful lagta hai.</p>

</body>

</html>
```

Output

Winter Season

Winter mujhe isliye pasand hai kyunki thandi hawa achhi lagti hai.

Is season me warm coffee aur soup ka maza hota hai.

Festivals aur holidays ka time hota hai.

Jackets aur sweaters pehenna acha lagta hai.

Shaam ko thand me walk karna peaceful lagta hai.

3) Nested Headings (Healthy Eating)

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>Healthy Eating</title>

</head>

<body>

    <h1>Healthy Eating</h1>

    <h2>Fruits</h2>

    <h3>Benefits</h3>

    <p>Fruits body ko vitamins aur minerals dete hain.</p>
```

```
<h2>Vegetables</h2>

<h3>Green Vegetables</h3>

<p>Green veggies jaise spinach aur broccoli health ke liye achhe
hote hain.</p>


<h2>Proteins</h2>

<h3>Sources</h3>

<p>Eggs, beans aur chicken protein ke achhe sources hote hain.</p>

</body>

</html>
```

Output

Healthy Eating

Fruits

Benefits

Fruits body ko vitamins aur minerals dete hain.

Vegetables

Green Vegetables

Green veggies health ke liye achhe hote hain.

Proteins

Sources

Eggs, beans aur chicken protein dete hain.

4) Movies List + Reasons

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>My Movies</title>

</head>

<body>


    <h1>My Favorite Movies</h1>


    <ul>

        <li>Inception</li>

        <li>Interstellar</li>

        <li>Avengers Endgame</li>

        <li>The Dark Knight</li>

        <li>Parasite</li>

    </ul>


    <h2>Reasons</h2>

    <ol>

        <li>Kahani aur scenes interesting hote hain.</li>
```

```
<li>Characters achhe se dikhaye gaye hain.</li>

<li>Background music aur visuals impressive hote hain.</li>

</ol>

</body>

</html>
```

Output

My Favorite Movies

- Inception
- Interstellar
- Avengers Endgame
- The Dark Knight
- Parasite

Reasons

1. Kahani achhi hoti hai
 2. Characters acchhe hote hain
 3. Visuals aur music ache lagte hain
-

5) Books + Summary (Nested Paragraphs)

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>Books</title>

</head>

<body>

    <h1>My Favorite Books</h1>

    <ol>

        <li>The Alchemist

            <p>Ye book dreams follow karne ke baare me hai.</p>

        </li>

        <li>Harry Potter

            <p>Isme ek boy ko magic world milta hai.</p>

        </li>

        <li>To Kill a Mockingbird

            <p>Isme society aur justice ke issues dikhaye gaye hain.</p>

        </li>

        <li>1984
```

```
<p>Ye ek future dictatorship ke baare me hai.</p>

</li>

<li>The Hobbit

    <p>Isme ek adventure journey dikhayi gayi hai.</p>

</li>

</ol>

</body>

</html>
```

Output

My Favorite Books

1. The Alchemist – dreams follow karne ki story
 2. Harry Potter – magic world ki story
 3. To Kill a Mockingbird – justice aur society
 4. 1984 – future dictatorship
 5. The Hobbit – adventure journey
-

6) Coffee–Tea–Milk List

HTML Code

```
<!DOCTYPE html>

<html>

<head>

    <title>Drinks</title>

</head>

<body>

    <h1>Drinks List</h1>

    <ol>

        <li>Coffee</li>

        <li>Tea

            <ol type="a">

                <li>Black tea</li>

                <li>Green tea</li>

            </ol>

        </li>

        <li>Milk</li>

    </ol>

</body>

</html>
```



Output

Drinks List

1. Coffee

2. Tea

a. Black tea

b. Green tea

3. Milk

Assignment :-2

1. Simple HTML Table – Weekly Schedule

```
<!DOCTYPE html>

<html>

<body>

<h2>Weekly Schedule</h2>

<table border="1" cellpadding="8">

  <tr>

    <th>Day</th>

    <th>Time</th>

    <th>Activity</th>

  </tr>

  <tr>

    <td>Monday</td>

    <td>10:00 AM</td>

    <td>Gym</td>

  </tr>

  <tr>

    <td>Tuesday</td>

    <td>2:00 PM</td>
```

```
        <td>Project Work</td>

    </tr>

    <tr>

        <td>Wednesday</td>

        <td>5:00 PM</td>

        <td>Reading</td>

    </tr>

    <tr>

        <td>Thursday</td>

        <td>1:00 PM</td>

        <td>Team Meeting</td>

    </tr>

    <tr>

        <td>Friday</td>

        <td>6:00 PM</td>

        <td>Movie</td>

    </tr>

</table>

</body>

</html>
```

Weekly Schedule

Day	Time	Activity
Monday	10:00 AM	Gym
Tuesday	2:00 PM	Project Work
Wednesday	5:00 PM	Reading
Thursday	1:00 PM	Team Meeting
Friday	6:00 PM	Movie

2. Simple Personal Webpage

```
<!DOCTYPE html>

<html>

<body>

<h1>Akash Kumar Pandey</h1>

<p>My name is Akash, and I am a software engineer. I enjoy learning new
technologies and building meaningful projects.</p>

<h3>My Favorite Websites</h3>

<ul>

  <li><a href="https://www.google.com">Google</a></li>
```

```
<li><a href="https://www.wikipedia.org">Wikipedia</a></li>

<li><a href="https://www.github.com">GitHub</a></li>

</ul>

</body>

</html>
```

Vaishnavi Shrivastava

My name is Vaishnavi and ,I am a software engineer I enjoy learning new technologies and building meaningful projects .

My Favorite Websites

- [Google](#)
- [Wikipedia](#)
- [GitHub](#)

3. Table with Colspan, Rowspan, Border – Explanation Included

```
<!DOCTYPE html>

<html>

<body>

<h2>Table Using Colspan and Rowspan</h2>

<table border="1" cellpadding="8">
```

```
<tr>

    <th colspan="2">Student Info</th>

</tr>

<tr>

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

    <td>Akash</td>

</tr>

<tr>

    <td>Class: CSE</td>

</tr>

</table>

</body>

</html>
```

Explanation

- **border**: Adds a visible border around table cells.
- **colspan**: Merges multiple columns into one. Here, the heading covers 2 columns.

- **rowspan**: Merges multiple rows into one. Here, "Name" spans 2 rows.

Table Using Colspan and Rowspan

Student Info	
Name	Akash
	Class: CSE

4. Marquee with Scrolling List of Links

```
<!DOCTYPE html>

<html>

<body>

<marquee behavior="scroll" direction="left">

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

    <a href="https://www.yahoo.com">Yahoo</a> |

    <a href="https://www.github.com">GitHub</a> |

    <a href="https://www.wikipedia.org">Wikipedia</a>

</marquee>

</body>
```



```
</html>
```

[Google](#) | [Yahoo](#) | [GitHub](#) | [Wikipedia](#)

5. Marquee With Different Styles – With Discussion

```
<!DOCTYPE html>

<html>

<body>

<marquee style="font-size:20px; background-color:lightgray;
padding:10px;">

    This is styled scrolling text.

</marquee>

</body>

</html>
```

Discussion

- **Font size increase** makes text more readable even while moving.
- **Background color** separates scrolling text from the rest of the page.
- **Padding** gives space around text, preventing it from touching edges.

These small changes help the marquee text stand out and improve visibility.

This is styled scrolling text.

6. Webpage With Nested Marquee + Use Case Discussion

```
<!DOCTYPE html>

<html>

<body>

<h2>Nested Marquee</h2>

<marquee direction="down" height="150">
```

```
<marquee direction="right">Welcome to My Webpage</marquee>  
  
</marquee>  
  
</body>  
  
</html>
```

Use Cases

Can be used for creative banners.

Useful for highlighting announcements.

Can create attention-grabbing effects on event pages.

Nested Marquee

Welcome to My Webpage

Assignment :-3

Q1. Personal Portfolio Webpage (Bio, Projects, Contact)

```
<!DOCTYPE html>

<html>

<head>

    <title>My Portfolio</title>

</head>

<body>

<h1>Akash Kumar Pandey</h1>

<h2>Bio</h2>

<p>I am a software engineer with an interest in web development and modern technologies. I enjoy creating clean and simple web interfaces.</p>

<h2>Projects</h2>

<ul>

    <li><b>Project 1:</b> Student Management System</li>

    <li><b>Project 2:</b> Personal Portfolio Website</li>

    <li><b>Project 3:</b> Weather App Using API</li>

</ul>
```

```
<h2>Contact Information</h2>

<p>Email: akash@example.com</p>

<p>Phone: +91 9876543210</p>

</body>

</html>
```

Vaishnavi Shrivastava

Bio

I am a software engineer with an interest in web development and modern technologies. I enjoy creating clean and simple web interfaces.

Projects

- **Project 1:** Student Management System
- **Project 2:** Personal Portfolio Website
- **Project 3:** Weather App Using API

Contact Information

Email: akash@example.com

Phone: +91 9876543210

Q2. Static Web Pages for an Online Book Store

1. Homepage (index.html)

```
<!DOCTYPE html>

<html>

<head>

    <title>Online Book Store</title>

</head>

<body>

<h1>Welcome to the Online Book Store</h1>

<p>Find your favourite books at affordable prices.</p>

<h2>Navigation</h2>

<ul>

    <li><a href="categories.html">Book Categories</a></li>

    <li><a href="book-details.html">Book Details</a></li>

    <li><a href="contact.html">Contact Us</a></li>

</ul>

</body>

</html>
```

Welcome to the Online Book Store

Find your favourite books at affordable prices.

Navigation

- [Book Categories](#)
 - [Book Details](#)
 - [Contact Us](#)
-

2. Categories Page (categories.html)

```
<!DOCTYPE html>

<html>

<head>

    <title>Book Categories</title>

</head>

<body>

<h1>Categories</h1>

<ul>

    <li>Programming</li>

    <li>Fiction</li>

    <li>Science</li>

    <li>History</li>

    <li>Comics</li>


```

```
</ul>

<a href="index.html">Back to Home</a>

</body>

</html>
```

Categories

- Programming
- Fiction
- Science
- History
- Comics

[Back to Home](#)

3. Book Details Page (book-details.html)

```
<!DOCTYPE html>

<html>

<head>

    <title>Book Details</title>

</head>

<body>
```



```
<h1>Book Details</h1>

<h3>Book Title: Learn HTML</h3>

<p><b>Author:</b> John Smith</p>

<p><b>Price:</b> ₹350</p>

<p><b>Description:</b> This book covers all basic and advanced HTML
concepts in a simple way.</p>

<a href="index.html">Back to Home</a>

</body>

</html>
```

Book Details

Book Title: Learn HTML

Author: John Smith

Price: ₹350

Description: This book covers all basic and advanced HTML concepts in a simple way.

[Back to Home](#)

4. Contact Page (contact.html)

```
<!DOCTYPE html>
```

```
<html>

<head>

  <title>Contact Us</title>

</head>

<body>

<h1>Contact Us</h1>

<p>If you have any questions, feel free to reach out.</p>

<p><b>Email:</b> support@bookstore.com</p>

<p><b>Phone:</b> +91 9999999999</p>

<a href="index.html">Back to Home</a>

</body>

</html>
```

Contact Us

If you have any questions, feel free to reach out.

Email: support@bookstore.com

Phone: +91 9999999999

[Back to Home](#)

Assignment :-4

Q1 – Student Registration Form (Same as second image)

```
<!DOCTYPE html>

<html>

<head>

    <title>Student Registration Form</title>

    <style>

        body{

            font-family: Arial, sans-serif;

            background: #f5f5f5;

        }

        .container{

            width: 450px;

            background: #e9c4cf;

            padding: 20px;

            margin: 30px auto;

            border-radius: 15px;

        }

        h2{

            text-align: center;

            margin-bottom: 20px;
```

```
        font-size: 22px;

    }

    label{

        display: block;

        margin-top: 10px;

    }

    input, select, textarea{

        width: 100%;

        padding: 6px;

        margin-top: 4px;

        border: 1px solid #aaa;

        border-radius: 4px;

    }

    .row{

        display: flex;

        gap: 10px;

    }

    .row input{

        width: 100%;

    }

    .gender, .dept{

        display: flex;

        align-items: center;

        gap: 10px;

        margin-top: 5px;

    }

}
```

```
}

.submit-btn{

    margin-top: 15px;

    width: 100%;

    padding: 8px;

    font-size: 16px;

    background: #c08fa0;

    border: none;

    border-radius: 4px;

}

</style>

</head>

<body>

<div class="container">

    <h2>Student Registration Form</h2>

    <form>

        <label>Roll No.</label>

        <input type="text">

        <label>Student Name</label>

        <div class="row">

            <input type="text" placeholder="First name">
```

```
<input type="text" placeholder="Middle name">
```

```
<input type="text" placeholder="Last name">
```

```
</div>
```

```
<label>Father's Name</label>
```

```
<input type="text">
```

```
<label>Date of Birth</label>
```

```
<div class="row">
```

```
<input type="text" placeholder="DD">
```

```
<input type="text" placeholder="MM">
```

```
<input type="text" placeholder="YYYY">
```

```
</div>
```

```
<label>Mobile No.</label>
```

```
<input type="text">
```

```
<label>Email ID</label>
```

```
<input type="email">
```

```
<label>Password</label>
```

```
<input type="password">
```

```
<label>Gender</label>
```

```
<div class="gender">
```

```
        <input type="radio" name="gender"> Male

        <input type="radio" name="gender"> Female

    </div>

    <label>Department</label>

    <div class="dept">

        <input type="radio" name="dept"> CSE

        <input type="radio" name="dept"> IT

        <input type="radio" name="dept"> ECE

        <input type="radio" name="dept"> Civil

        <input type="radio" name="dept"> Mech

    </div>

    <label>Student Photo</label>

    <input type="file">

    <label>City</label>

    <input type="text">

    <label>Address</label>

    <textarea rows="3"></textarea>

    <button class="submit-btn">Submit</button>

</form>
```



```
</div>

</body>

</html>
```

The image shows a 'Student Registration Form' with a pink background and rounded corners. The form contains the following fields and elements:

- Roll No.**: A single-line text input field.
- Student Name**: Three text input fields labeled 'First name', 'Middle name', and 'Last name'.
- Father's Name**: A single-line text input field.
- Date of Birth**: Three text input fields labeled 'DD', 'MM', and 'YYYY'.
- Mobile No.**: A single-line text input field.
- Email ID**: A single-line text input field containing the text 'Akash@gmail.com'.
- Password**: A single-line text input field with masked characters '*****'.
- Gender**: Two radio button options labeled 'Male' and 'Female'.
- Department**: Five radio button options labeled 'CSE', 'IT', 'ECE', 'Civil', and 'Mech'.
- Student Photo**: A file upload area with a 'Choose file' button and the text 'No file chosen'.
- City**: A single-line text input field.
- Address**: A multi-line text input field.
- Submit**: A pink button at the bottom of the form.

Q2 – Table Layout (Same as the first image layout)

```
<!DOCTYPE html>

<html>

<head>

  <title>Table Layout</title>

  <style>

    body{

      font-family: Arial, sans-serif;

      background: #f3f3f3;

    }

    table{

      width: 600px;

      border-collapse: collapse;

      margin: 40px auto;

      border: 1px solid #666;

    }

    th, td{

      border: 1px solid #666;

      padding: 8px;

      text-align: center;

    }

    .header{

      background: #e5b38f;

      font-weight: bold;

    }

  }
```

```
.links{

    background: #f7cda8;

    font-weight: bold;

}

.login-box{

    padding: 20px;

}

.login-box input{

    width: 150px;

    padding: 4px;

    margin-top: 4px;

}

.btn{

    margin-top: 8px;

    padding: 6px 15px;

    border: 1px solid #777;

}

</style>

</head>

<body>

<table>

    <tr>

        <th colspan="4" class="header">LONG PAGE</th>

    </tr>
```

```
<tr class="links">
```

```
    <td>Home</td>
```

```
    <td>List</td>
```

```
    <td>Registration</td>
```

```
    <td>Contact</td>
```

```
</tr>
```

```
<tr>
```

```
    <td rowspan="3">1</td>
```

```
    <td>Item A</td>
```

```
    <td>Light</td>
```

```
    <td rowspan="3" class="login-box">
```

```
        <label>Login Here</label><br><br>
```

```
        <input type="text" placeholder="Username"><br>
```

```
        <input type="password" placeholder="Password"><br>
```

```
        <button class="btn">Login</button>
```

```
    </td>
```

```
</tr>
```

```
<tr>
```

```
    <td>Item B</td>
```

```
    <td>Medium</td>
```

```
</tr>
```

```
<tr>

    <td>Item C</td>

    <td>Low</td>

</tr>

</table>

</body>

</html>
```

LONG PAGE			
Home	List	Registration	Contact
1	Item A	Light	Login Here <input type="text" value="Akash@gmail.com"/> <input type="password" value="*****"/> <input type="button" value="Login"/>
	Item B	Medium	
	Item C	Low	

Assignment :-5

Q1 — Swap two numbers without using a third variable

```
let a = 10;

let b = 20;


a = a + b;

b = a - b;

a = a - b;


console.log("a =", a);

console.log("b =", b);
```

Q2 — Convert Celsius to Fahrenheit

```
let c = 30;

let f = (c * 9/5) + 32;


console.log("Fahrenheit:", f);
```

Q3 — Check data type of a variable

```
let x = 50;

console.log(typeof x);
```

Q4 — Check if a number is even or odd

```
let n = 15;

if (n % 2 === 0) {

    console.log("Even");

} else {

    console.log("Odd");

}
```

Q5 — Find the largest of three numbers

```
let a = 12, b = 45, c = 30;

if (a >= b && a >= c) {

    console.log("Largest:", a);

}

else if (b >= a && b >= c) {

    console.log("Largest:", b);

}

else {

    console.log("Largest:", c);

}
```

Q6 — Check if a year is a leap year

```
let year = 2024;

if ((year % 4 === 0 && year % 100 !== 0) || year % 400 === 0) {
```



```
        console.log("Leap Year");  
    } else {  
        console.log("Not a Leap Year");  
    }  
}
```

Q7 — Check whether a character is vowel or consonant

```
let ch = 'a';  
  
ch = ch.toLowerCase();  
  
if ("aeiou".includes(ch)) {  
    console.log("Vowel");  
} else {  
    console.log("Consonant");  
}
```

