

# 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>

</body>

</html>
```

```
<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>
    </ol>
</body>
```

```
<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

    </ol>

```

```
<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>
    </tr>

```

```
<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>
  </body>
</html>
```

```
</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;

        }

        .form-group{

            margin-bottom: 15px;

        }

        .form-control{

            width: 100%;

            height: 35px;

            padding: 5px;

            border: 1px solid #ccc;

            border-radius: 3px;

        }

        .form-control:focus{

            border-color: #007bff;

            outline: none;

            box-shadow: 0 0 0 2px #007bff;

        }

        .btn{

            width: 100%;

            padding: 10px 0;

            border: 1px solid #007bff;

            border-radius: 3px;

            background-color: #007bff;

            color: white;

            font-weight: bold;

            font-size: 16px;

            cursor: pointer;

        }

        .btn:hover{

            border-color: #007bff;

            background-color: #fff;

            color: #007bff;

        }

    </style>

</head>

<body>

    <div class="container">

        <h2>Student Registration Form</h2>

        <form>

            <div class="form-group">
                <label>First Name <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Last Name <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Email <span>(Required)</span></label>
                <input type="email" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Phone Number <span>(Required)</span></label>
                <input type="tel" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Address <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>City <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>State <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Country <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Gender <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Age <span>(Required)</span></label>
                <input type="text" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Password <span>(Required)</span></label>
                <input type="password" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Confirm Password <span>(Required)</span></label>
                <input type="password" class="form-control" required="required" />
            </div>
            <div class="form-group">
                <label>Image <span>(Optional)</span></label>
                <input type="file" class="form-control" />
            </div>
            <div class="form-group">
                <input type="submit" value="Submit" class="btn" />
            </div>
        </form>
    </div>
</body>

```

```
    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">
```

```
</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>
```

**Student Registration Form**

Roll No.

Student Name

 First name  Middle name  Last name

Father's Name

Date of Birth

 DD  MM  YYYY

Mobile No.

Email ID

 Akash@gmail.com

Password

 .....

Gender

Male  Female

Department

CSE  IT  ECE  Civil  Mech

Student Photo

Choose file No file chosen

City

Address

**Submit**

---

## 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;

        }

    </style>

</head>

<body>

    <table>

        <thead>

            <tr>

                <th>Product</th>

                <th>Price</th>

            </tr>

        </thead>

        <tbody>

            <tr>

                <td>Laptop</td>

                <td>$1200</td>

            </tr>

            <tr>

                <td>Monitor</td>

                <td>$200</td>

            </tr>

            <tr>

                <td>Keyboard</td>

                <td>$100</td>

            </tr>

            <tr>

                <td>Mouse</td>

                <td>$50</td>

            </tr>

        </tbody>

    </table>

</body>

</html>
```

```
.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	<a href="#">Login Here</a> <input type="text" value="Akash@gmail.com"/> <input type="password"/> <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");

}
```

---

