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| --- | --- |
| **Definition:1** | **1. Home page:- the static home page must contains Four frame (Fix Layout)**  **2. Top frame:- logo and University name and links to all college page and catalogue page.** |
| **Code :-** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>CVM University - Main Page</title>  <style>  \* { margin: 0; padding: 0; box-sizing: border-box; }  body { font-family: Arial, sans-serif; background-color: #ffe6f0; } /\* light pink background \*/  .top-frame { height: 100px; background-color: #d1477d; color: white; display: flex; align-items: center; padding: 0 20px; }  .top-frame img { height: 80px; margin-right: 20px; }  .top-frame h2 { font-size: 24px; }  .nav-frame { height: 50px; background-color: #ffb6c1; display: flex; align-items: center; justify-content: center; }  .nav-frame a { margin: 0 20px; text-decoration: none; font-weight: bold; color: #4a1a2c; }  .nav-frame a:hover { color: #800040; }  .main-frame { display: flex; height: 500px; }  .left-frame { width: 250px; background-color: #ffccd5; border-right: 2px solid #f7dce3; padding: 20px; }  .left-frame h3 { margin-bottom: 20px; color: #d1477d; }  .left-frame ul { list-style: disc; padding-left: 20px; }  .left-frame a { text-decoration: none; color: #4a1a2c; display: block; margin-bottom: 10px; }  .left-frame a:hover { color: #800040; text-decoration: underline; }  .right-frame { flex: 1; background-color: #ffffff; }  .right-frame iframe { width: 100%; height: 100%; border: none; overflow: auto; }  .footer-frame { height: 40px; background-color: #d1477d; color: white; text-align: center; line-height: 40px; font-size: 14px; }  @media (max-width: 800px) {  .main-frame { flex-direction: column; height: auto; }  .left-frame { width: 100%; border-right: none; border-bottom: 2px solid #f7dce3; }  .right-frame { height: 400px; }  }  </style>  </head>  <body>  <div class="top-frame">  <img src="images/cvm logo.png" alt="CVM Logo">  <h2>CVM University</h2>  </div>  <div class="nav-frame">  <a href="main.html">HOME</a>  <a href="istar.html">ISTAR</a>  <a href="semcom.html">SEMCOM</a>  <a href="adit.html">ADIT</a>  <a href="mbit.html">MBIT</a>  </div>  <div class="main-frame">  <div class="left-frame">  <h3>Faculties</h3>  <ul>  <li><a href="istar.html" target="contentFrame">ISTAR</a></li>  <li><a href="semcom.html" target="contentFrame">SEMCOM</a></li>  <li><a href="adit.html" target="contentFrame">ADIT</a></li>  <li><a href="mbit.html" target="contentFrame">MBIT</a></li>  </ul>  </div>  <div class="right-frame">  <iframe name="contentFrame" srcdoc="  <div style='padding:20px; font-family:Arial, sans-serif; color:#d1477d;'>  <h2>Welcome to CVM University</h2>  <p>Select a faculty from the left menu to view details here.</p>  </div>  "></iframe>  </div>  </div>  <div class="footer-frame">  &copy; 2025 CVM University - All Rights Reserved  </div>  </body>  </html> |
| **OutPut :-** |  |
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| **Definition:2** | **I. ISTAR PAGE: The static ISTAR page must contain three frames. (Fix Layout)**  **• Top frame:- logo and collage name and links to all college page and catalogue page**  **• Left frame:- all the Department list lists ex.-(Computer Science)**  **• Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code :-** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <title>ISTAR College - CVM University</title>  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <style>  body { margin:0; font-family: Arial, sans-serif; background:#fdeff4; }  .top-frame { height:100px; background:#d36fa3; color:white; display:flex; align-items:center; padding:0 20px; }  .top-frame img { height:80px; margin-right:20px; }  .nav-frame { height:50px; background:#f3b8d3; display:flex; align-items:center; justify-content:center; }  .nav-frame a { margin:0 20px; text-decoration:none; font-weight:bold; color:#8a1f5a; }  .nav-frame a:hover { color:#5e0f3c; }  .main-frame { display:flex; height:500px; }  .left-frame { width:250px; background:#fff0f6; border-right:2px solid #f3b8d3; padding:20px; }  .left-frame h3 { margin-bottom:20px; color:#d36fa3; }  .left-frame ul { list-style:disc; padding-left:20px; }  .left-frame a { display:block; text-decoration:none; color:#8a1f5a; margin-bottom:10px; }  .left-frame a:hover { color:#5e0f3c; text-decoration:underline; }  .right-frame { flex:1; background:#fdeff4; }  .right-frame iframe { width:100%; height:100%; border:none; }  .footer-frame { height:40px; background:#d36fa3; color:white; text-align:center; line-height:40px; }  @media(max-width:800px){  .main-frame { flex-direction:column; height:auto; }  .left-frame { width:100%; border-right:none; border-bottom:2px solid #f3b8d3; }  .right-frame { height:400px; }  }  </style>  </head>  <body>  <div class="top-frame">  <img src="images/istar logo.png" alt="ISTAR Logo">  <h2>Institute of Science & Technology for Advanced Research</h2>  </div>  <div class="nav-frame">  <a href="main.html">HOME</a>  <a href="semcom.html">SEMCOM</a>  <a href="adit.html">ADIT</a>  <a href="mbit.html">MBIT</a>  </div>  <div class="main-frame">  <div class="left-frame">  <h3>Departments</h3>  <ul>  <li><a href="ISTAR/mca.html" target="contentFrame">MCA</a></li>  <li><a href="ISTAR/mscit.html" target="contentFrame">MSC\_IT</a></li>  <li><a href="ISTAR/msc\_est.html" target="contentFrame">MSC\_EST</a></li>  <li><a href="ISTAR/msc\_sct.html" target="contentFrame">MSC\_SCT</a></li>  <li><a href="ISTAR/msc\_cs.html" target="contentFrame">MSC\_CS</a></li>  </ul>  </div>  <div class="right-frame">  <iframe name="contentFrame" srcdoc="  <div style='padding:20px; font-family:Arial, sans-serif; color:#d36fa3;'>  <h2>Welcome to ISTAR College</h2>  <p>Select a department from the left menu to view its details here.</p>  </div>  "></iframe>  </div>  </div>  <div class="footer-frame">&copy; 2025 CVM University - All Rights Reserved</div>  </body>  </html> |
| **OutPut :-** |  |
|  |  |
| **Definition:3** | **II. SEMCOM PAGE (Fluid Layout)**  **• Top frame:- logo and collage name and links to all college page and catalogue page**  **• Left frame:- all the Department list lists ex.-(Computer Science)**  **• Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the department** |
| **Code :-** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <title>ISTAR College - CVM University</title>  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <style>  body { margin:0; font-family: Arial, sans-serif; background:#fdeff4; }  .top-frame { height:100px; background:#d36fa3; color:white; display:flex; align-items:center; padding:0 20px; }  .top-frame img { height:80px; margin-right:20px; }  .nav-frame { height:50px; background:#f3b8d3; display:flex; align-items:center; justify-content:center; }  .nav-frame a { margin:0 20px; text-decoration:none; font-weight:bold; color:#8a1f5a; }  .nav-frame a:hover { color:#5e0f3c; }  .main-frame { display:flex; height:500px; }  .left-frame { width:250px; background:#fff0f6; border-right:2px solid #f3b8d3; padding:20px; }  .left-frame h3 { margin-bottom:20px; color:#d36fa3; }  .left-frame ul { list-style:disc; padding-left:20px; }  .left-frame a { display:block; text-decoration:none; color:#8a1f5a; margin-bottom:10px; }  .left-frame a:hover { color:#5e0f3c; text-decoration:underline; }  .right-frame { flex:1; background:#fdeff4; }  .right-frame iframe { width:100%; height:100%; border:none; }  .footer-frame { height:40px; background:#d36fa3; color:white; text-align:center; line-height:40px; }  @media(max-width:800px){  .main-frame { flex-direction:column; height:auto; }  .left-frame { width:100%; border-right:none; border-bottom:2px solid #f3b8d3; }  .right-frame { height:400px; }  }  </style>  </head>  <body>  <div class="top-frame">  <img src="images/istar logo.png" alt="ISTAR Logo">  <h2>Institute of Science & Technology for Advanced Research</h2>  </div>  <div class="nav-frame">  <a href="main.html">HOME</a>  <a href="semcom.html">SEMCOM</a>  <a href="adit.html">ADIT</a>  <a href="mbit.html">MBIT</a>  </div>  <div class="main-frame">  <div class="left-frame">  <h3>Departments</h3>  <ul>  <li><a href="ISTAR/mca.html" target="contentFrame">MCA</a></li>  <li><a href="ISTAR/mscit.html" target="contentFrame">MSC\_IT</a></li>  <li><a href="ISTAR/msc\_est.html" target="contentFrame">MSC\_EST</a></li>  <li><a href="ISTAR/msc\_sct.html" target="contentFrame">MSC\_SCT</a></li>  <li><a href="ISTAR/msc\_cs.html" target="contentFrame">MSC\_CS</a></li>  </ul>  </div>  <div class="right-frame">  <iframe name="contentFrame" srcdoc="  <div style='padding:20px; font-family:Arial, sans-serif; color:#d36fa3;'>  <h2>Welcome to ISTAR College</h2>  <p>Select a department from the left menu to view its details here.</p>  </div>  "></iframe>  </div>  </div>  <div class="footer-frame">&copy; 2025 CVM University - All Rights Reserved</div>  </body>  </html> |
| **OutPut :-** |  |
|  |  |
| **Definition:4** | **ADIT PAGE: The catalogue page should contain the details of all the books**  **available in the web site in a table. (Adaptive Layout)**   * **Top frame:- logo and collage name and links to all college page and**   **catalogue page**   * **Left frame:- all the Department list lists ex.-(Computer Science)** * **Right frame:- the pages to links in the left frame must be loaded here**   **Initially it Contains the description of the department** |
| **Code :-** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>ADIT - CVM University</title>  <style>  \* { margin: 0; padding: 0; box-sizing: border-box; }  body { font-family: Arial, sans-serif; background-color: #ffe6f0; color: #222; }  .container { display: flex; flex-direction: column; min-height: 100vh; }  /\* Header \*/  .header { display: flex; align-items: center; padding: 20px; background-color: #d1477d; color: white; }  .header img { width: 80px; height: auto; margin-right: 20px; }  .header h1 { font-size: 24px; line-height: 1.2; }  /\* Navigation \*/  .nav { display: flex; justify-content: center; background-color: #ffb6c1; }  .nav a { margin: 0 15px; text-decoration: none; color: #4a1a2c; font-weight: bold; padding: 12px 8px; }  .nav a:hover { color: #800040; }  /\* Main content \*/  .content-wrapper { display: flex; flex: 1; background-color: #fff; margin: 20px; border-radius: 5px; overflow: hidden; min-height: 450px; box-shadow: 0 2px 8px rgba(0,0,0,0.12); }  .left-panel { flex: 0 0 220px; padding: 25px 20px; background-color: #ffccd5; border-right: 2px solid #f7dce3; }  .left-panel h3 { margin-bottom: 20px; font-size: 20px; color: #d1477d; border-bottom: 2px solid #f7dce3; padding-bottom: 10px; }  .left-panel ul { list-style-type: disc; padding-left: 20px; }  .left-panel li { margin-bottom: 15px; }  .left-panel a { text-decoration: none; color: #4a1a2c; font-weight: 600; }  .left-panel a:hover { color: #800040; text-decoration: underline; }  .right-panel { flex: 1; background-color: #ffe6f0; }  .right-panel iframe { width: 100%; height: 100%; border: none; display: block; background-color: #fff; }  /\* Footer \*/  .footer { background-color: #d1477d; color: white; text-align: center; padding: 12px; font-size: 15px; font-weight: 600; }  /\* Responsive \*/  @media(max-width: 900px) {  .content-wrapper { flex-direction: column; min-height: auto; }  .left-panel { width: 100%; flex: none; border-right: none; border-bottom: 2px solid #f7dce3; }  .right-panel { width: 100%; min-height: 350px; }  .right-panel iframe { min-height: 350px; }  }  </style>  </head>  <body>  <div class="container">  <!-- Header -->  <header class="header">  <img src="images/adit logo.png" alt="ADIT Logo">  <h1>A.D. Patel Institute of Technology - ADIT</h1>  </header>  <!-- Navigation -->  <nav class="nav">  <a href="main.html">Home</a>  <a href="istar.html">ISTAR</a>  <a href="semcom.html">SEMCOM</a>  <a href="mbit.html">MBIT</a>  </nav>  <!-- Main Content -->  <div class="content-wrapper">  <!-- Left Menu -->  <aside class="left-panel">  <h3>Departments</h3>  <ul>  <li><a href="adit/civil.html" target="content-frame">Civil Engineering</a></li>  <li><a href="adit/computer.html" target="content-frame">Computer Engineering</a></li>  <li><a href="adit/electrical.html" target="content-frame">Electrical Engineering</a></li>  <li><a href="adit/mechanical.html" target="content-frame">Mechanical Engineering</a></li>  <li><a href="adit/chemical.html" target="content-frame">Chemical Engineering</a></li>  </ul>  </aside>  <!-- Right Panel -->  <section class="right-panel">  <iframe name="content-frame" srcdoc="  <div style='padding: 40px; font-family: Arial, sans-serif; color:#d1477d;'>  <h2>Welcome to ADIT College</h2>  <p>Select a department from the left to view its details here.</p>  </div>  "></iframe>  </section>  </div>  <!-- Footer -->  <footer class="footer">  © 2025 CVM University. All rights reserved.  </footer>  </div>  </body>  </html> |
| **OutPut :-** |  |
|  |  |
| **Definition:5** | **MBIT PAGE (Hybrid Layout)**   * **Top frame:- logo and collage name and links to all college page and**   **catalogue page**   * **Left frame:- all the Department list lists ex.-(Computer Science)** * **Right frame:- the pages to links in the left frame must be loaded here**   **initially it Contains the description of the department** |
| **Code :-** | <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>MBIT - CVM University</title>  <style>  \* { margin:0; padding:0; box-sizing:border-box; }  body { font-family:Arial,sans-serif; background:#fdeff4; }  .container{ display:flex; flex-direction:column; min-height:100vh; }  .header{ display:flex; align-items:center; padding:20px; background:#d36fa3; color:white; gap:20px; }  .header img{ width:80px; }  .header h1{ font-size:26px; }  nav{ background:#f3b8d3; text-align:center; padding:15px 0; }  nav ul{ list-style:none; display:inline-flex; flex-wrap:wrap; gap:20px; justify-content:center; }  nav a{ text-decoration:none; font-weight:bold; color:#8a1f5a; }  nav a:hover{ color:#5e0f3c; }  .main{ display:flex; flex:1; background:white; overflow:hidden; min-height:500px; }  .left{ width:220px; background:#fff0f6; border-right:2px solid #f3b8d3; padding:25px 20px; }  .left h3{ margin-bottom:25px; font-size:22px; color:#d36fa3; border-bottom:2px solid #f3b8d3; padding-bottom:10px; }  .left ul{ list-style:disc; padding-left:20px; }  .left li{ margin-bottom:15px; }  .left a{ text-decoration:none; color:#8a1f5a; font-weight:600; }  .left a:hover{ color:#5e0f3c; text-decoration:underline; }  .right{ flex:1; background:#fdeff4; }  .right iframe{ width:100%; height:100%; border:none; min-height:500px; background:white; }  .footer{ color:white; background:#d36fa3; text-align:center; padding:12px; font-weight:600; }  @media(max-width:900px){  .main{ flex-direction:column; }  .left{ width:100%; border-right:none; border-bottom:2px solid #f3b8d3; padding:20px; }  .right iframe{ min-height:350px; }  .header{ flex-direction:column; text-align:center; }  }  </style>  </head>  <body>  <div class="container">  <header class="header">  <img src="images/mbit logo.png" alt="MBIT Logo">  <h1>Madhuben & Bhanubhai Patel Institute of Technology (MBIT)</h1>  </header>  <nav>  <ul>  <li><a href="main.html">Home</a></li>  <li><a href="istar.html">ISTAR</a></li>  <li><a href="semcom.html">SEMCOM</a></li>  <li><a href="adit.html">ADIT</a></li>  </ul>  </nav>  <div class="main">  <aside class="left">  <h3>Departments</h3>  <ul>  <li><a href="mbit/computer-science.html" target="content-frame">Computer Science</a></li>  <li><a href="mbit/electronics.html" target="content-frame">Electronics</a></li>  <li><a href="mbit/mechanical.html" target="content-frame">Mechanical</a></li>  <li><a href="mbit/civil.html" target="content-frame">Civil</a></li>  <li><a href="mbit/chemical.html" target="content-frame">Chemical</a></li>  </ul>  </aside>  <section class="right">  <iframe name="content-frame" srcdoc="  <div style='padding:40px; font-family:Arial,sans-serif; color:#d36fa3;'>  <h2>Welcome to MBIT College</h2>  <p>Select a department from the left menu to view its details here.</p>  </div>  "></iframe>  </section>  </div>  <footer class="footer">&copy; 2025 CVM University. All Rights Reserved</footer>  </div>  </body>  </html> |
| **OutPut :-** |  |
|  |  |
| **Definition:6** | * **Left frame:- all the faculty lists ex.-(faculty of science, faculty of arts, faculty of commerce) if I click faculty of science than in the right frame detailed shown about faculty of science.** * **Right frame:- the pages to links in the left frame must be loaded here initially it Contains the description of the website** |
| **Code :-** |  |
| **OutPut :-** |  |
|  | **Bootstrap Framework** |
| **Defination :** | Lab-2 Design and develop a responsive Online Bookstore website using HTML and Bootstrap (with minor CSS & JavaScript for interactivity). |
| **Code :-** | <!DOCTYPE *html*>  <html *lang*="en">  <head>    <meta *charset*="UTF-8">    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">    <title>BookStore</title>    <link *href*="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" *rel*="stylesheet">    <style>      body { font-family: Arial, sans-serif; background-color: #FFFDF5; }      .navbar-brand { font-weight: bold; font-size: 1.5rem; color: #8B5E3C **!important**; }      .navbar-light .navbar-nav .nav-link.active { color: #8B5E3C; font-weight: bold; }      .navbar-light .navbar-nav .nav-link { color: #5C4033; }      #bookCarousel .carousel-item img { width: 100%; height: 400px; object-fit: cover; }      .carousel-caption { background-color: **rgba**(255, 250, 200, 0.8); padding: 1rem; border-radius: 0.5rem; color: #5C4033; }      .highlight { background-color: #FFF9C4; color: #8B5E3C; padding: 3rem 1rem; text-align: center; margin-bottom: 2rem; border-radius: 0.5rem; }      .section { padding: 3rem 1rem; border-radius: 0.5rem; margin-bottom: 2rem; }      .new-arrivals { background-color: #FFFDE7; }      .best-sellers { background-color: #FAF0E6; color: #8B5E3C; }      .featured-books { background-color: #FFF8E1; }      h2.section-title { margin-bottom: 2rem; text-align: center; font-weight: bold; color: #5C4033; }      .book-card { border: none; border-radius: 0.5rem; overflow: hidden; background-color: #FFFDF5; box-shadow: 0 2px 6px **rgba**(0,0,0,0.1); transition: transform 0.2s; }      .book-card:hover { transform: **scale**(1.03); }      .book-card img { width: 100%; height: 320px; object-fit: cover; border-bottom: 2px solid #E0C097; }      .card-body h5 { font-size: 1.1rem; font-weight: bold; color: #5C4033; }      .card-body p { font-size: 0.9rem; color: #5C4033; }      .btn-brown { background-color: #8B5E3C; color: white; border: none; }      .btn-brown:hover { background-color: #7A4D2E; }      .badge-custom { background-color: #FF6F61; }      .offcanvas-header { background-color: #FFF9C4; }      .offcanvas-body { background-color: #FFFDE7; }    </style>  </head>  <body>  *<!-- Navbar -->*  <nav *class*="navbar navbar-expand-lg navbar-light bg-light sticky-top shadow-sm">    <div *class*="container">      <a *class*="navbar-brand" *href*="#">Charmi's Book Haven</a>      <button *class*="navbar-toggler" *type*="button" *data-bs-toggle*="offcanvas" *data-bs-target*="#offcanvasMenu">        <span *class*="navbar-toggler-icon"></span>      </button>      <div *class*="collapse navbar-collapse">        <ul *class*="navbar-nav ms-auto me-3">          <li *class*="nav-item"><a *class*="nav-link active" *href*="#">Home</a></li>          <li *class*="nav-item"><a *class*="nav-link" *href*="#new-arrivals">New Arrivals</a></li>          <li *class*="nav-item"><a *class*="nav-link" *href*="#best-sellers">Best Sellers</a></li>          <li *class*="nav-item"><a *class*="nav-link" *href*="#featured-books">Featured</a></li>          <li *class*="nav-item"><a *class*="nav-link" *href*="contact.html">Contact</a></li>        </ul>        <form *class*="d-flex me-3" *id*="searchForm">          <input *class*="form-control me-2" *id*="searchInput" *type*="search" *placeholder*="Search books">          <button *class*="btn btn-brown" *type*="submit">Search</button>        </form>        <a *href*="cart.html" *class*="btn btn-brown position-relative">          Cart <span *class*="badge badge-custom position-absolute top-0 start-100 translate-middle" *id*="cartCount">0</span>        </a>      </div>    </div>  </nav>  *<!-- Offcanvas Menu for Mobile Filters -->*  <div *class*="offcanvas offcanvas-start" *tabindex*="-1" *id*="offcanvasMenu">    <div *class*="offcanvas-header">      <h5 *class*="offcanvas-title">Filter by Genre</h5>      <button *type*="button" *class*="btn-close" *data-bs-dismiss*="offcanvas"></button>    </div>    <div *class*="offcanvas-body">      <div *class*="btn-group-vertical w-100" *role*="group">        <button *class*="btn btn-brown genre-btn">Fantasy</button>        <button *class*="btn btn-brown genre-btn">Romance</button>        <button *class*="btn btn-brown genre-btn">Adventure</button>        <button *class*="btn btn-brown genre-btn">Mystery</button>      </div>    </div>  </div>  *<!-- Carousel -->*  <div *id*="bookCarousel" *class*="carousel slide" *data-bs-ride*="carousel">    <div *class*="carousel-inner">      <div *class*="carousel-item active">        <img *src*="home1.jpg" *class*="d-block w-100" *alt*="Sale">        <div *class*="carousel-caption d-none d-md-block">          <h5>Big Book Sale!</h5>          <p>Grab your favorite novels at the best prices.</p>        </div>      </div>      <div *class*="carousel-item">        <img *src*="home2.jpg" *class*="d-block w-100" *alt*="New Arrivals">        <div *class*="carousel-caption d-none d-md-block">          <h5>New Arrivals</h5>          <p>Discover the latest releases from top authors.</p>        </div>      </div>      <div *class*="carousel-item">        <img *src*="home3.jpg" *class*="d-block w-100" *alt*="Featured">        <div *class*="carousel-caption d-none d-md-block">          <h5>Featured Reads</h5>          <p>Our staff picks just for you!</p>        </div>      </div>    </div>    <button *class*="carousel-control-prev" *type*="button" *data-bs-target*="#bookCarousel" *data-bs-slide*="prev">      <span *class*="carousel-control-prev-icon"></span>    </button>    <button *class*="carousel-control-next" *type*="button" *data-bs-target*="#bookCarousel" *data-bs-slide*="next">      <span *class*="carousel-control-next-icon"></span>    </button>  </div>  *<!-- Highlight Section -->*  <div *class*="highlight">    <h1>Special Offer: Buy 2 Get 1 Free!</h1>    <p>Hurry! Limited time only on select titles.</p>    <a *href*="#" *class*="btn btn-brown mt-2">Shop Now</a>  </div>  *<!-- New Arrivals Section -->*  <div *class*="section new-arrivals" *id*="new-arrivals">    <h2 *class*="section-title">New Arrivals</h2>    <div *class*="container">      <div *class*="row" *id*="bookList">  *<!-- 1 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Adventure">          <div *class*="card book-card">            <img *src*="1.jpg" *alt*="The Hunger Games">            <div *class*="card-body">              <h5>The Hunger Games</h5>              <p>By Suzanne Collins</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:45%">Reading 45%</div>              </div>              <span *class*="badge bg-success">Reviews: 150</span>            </div>          </div>        </div>  *<!-- 2 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Adventure">          <div *class*="card book-card">            <img *src*="2.jpg" *alt*="Percy Jackson">            <div *class*="card-body">              <h5>Percy Jackson</h5>              <p>By Rick Riordan</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:20%">Reading 20%</div>              </div>              <span *class*="badge bg-success">Reviews: 100</span>            </div>          </div>        </div>  *<!-- 3 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Fantasy">          <div *class*="card book-card">            <img *src*="3.jpg" *alt*="Harry Potter">            <div *class*="card-body">              <h5>Harry Potter</h5>              <p>By J.K. Rowling</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:65%">Reading 65%</div>              </div>              <span *class*="badge bg-success">Reviews: 200</span>            </div>          </div>        </div>  *<!-- 4 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Romance">          <div *class*="card book-card">            <img *src*="4.jpg" *alt*="Pride and Prejudice">            <div *class*="card-body">              <h5>Pride and Prejudice</h5>              <p>By Jane Austen</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:30%">Reading 30%</div>              </div>              <span *class*="badge bg-success">Reviews: 75</span>            </div>          </div>        </div>  *<!-- 5 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Mystery">          <div *class*="card book-card">            <img *src*="5.jpg" *alt*="Sherlock Holmes">            <div *class*="card-body">              <h5>Sherlock Holmes</h5>              <p>By Arthur Conan Doyle</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:50%">Reading 50%</div>              </div>              <span *class*="badge bg-success">Reviews: 120</span>            </div>          </div>        </div>  *<!-- 6 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Romance">          <div *class*="card book-card">            <img *src*="6.jpg" *alt*="Twilight">            <div *class*="card-body">              <h5>Twilight</h5>              <p>By Stephenie Meyer</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:40%">Reading 40%</div>              </div>              <span *class*="badge bg-success">Reviews: 90</span>            </div>          </div>        </div>  *<!-- 7 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Adventure">          <div *class*="card book-card">            <img *src*="7.jpg" *alt*="Journey to the Center of the Earth">            <div *class*="card-body">              <h5>Journey to the Center of the Earth</h5>              <p>By Jules Verne</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:35%">Reading 35%</div>              </div>              <span *class*="badge bg-success">Reviews: 60</span>            </div>          </div>        </div>  *<!-- 8 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Fantasy">          <div *class*="card book-card">            <img *src*="8.jpg" *alt*="Lord of the Rings">            <div *class*="card-body">              <h5>Lord of the Rings</h5>              <p>By J.R.R. Tolkien</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:55%">Reading 55%</div>              </div>              <span *class*="badge bg-success">Reviews: 180</span>            </div>          </div>        </div>  *<!-- 9 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Mystery">          <div *class*="card book-card">            <img *src*="9.jpg" *alt*="Gone Girl">            <div *class*="card-body">              <h5>Gone Girl</h5>              <p>By Gillian Flynn</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:60%">Reading 60%</div>              </div>              <span *class*="badge bg-success">Reviews: 110</span>            </div>          </div>        </div>  *<!-- 10 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Romance">          <div *class*="card book-card">            <img *src*="10.jpg" *alt*="Me Before You">            <div *class*="card-body">              <h5>Me Before You</h5>              <p>By Jojo Moyes</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:25%">Reading 25%</div>              </div>              <span *class*="badge bg-success">Reviews: 80</span>            </div>          </div>        </div>  *<!-- 11 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Adventure">          <div *class*="card book-card">            <img *src*="11.jpg" *alt*="Treasure Island">            <div *class*="card-body">              <h5>Treasure Island</h5>              <p>By Robert Louis Stevenson</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:70%">Reading 70%</div>              </div>              <span *class*="badge bg-success">Reviews: 95</span>            </div>          </div>        </div>  *<!-- 12 -->*        <div *class*="col-md-3 mb-4 book-item" *data-genre*="Fantasy">          <div *class*="card book-card">            <img *src*="12.jpg" *alt*="Chronicles of Narnia">            <div *class*="card-body">              <h5>Chronicles of Narnia</h5>              <p>By C.S. Lewis</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1 buy-btn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1 wishlist-btn">Add to Wishlist</button>                <button *class*="btn btn-secondary w-100 view-btn" *data-bs-toggle*="modal" *data-bs-target*="#bookModal">View Details</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width:50%">Reading 50%</div>              </div>              <span *class*="badge bg-success">Reviews: 140</span>            </div>          </div>        </div>      </div>    </div>  </div>  *<!-- Book Detail Modal -->*  <div *class*="modal fade" *id*="bookModal" *tabindex*="-1">    <div *class*="modal-dialog modal-lg">      <div *class*="modal-content">        <div *class*="modal-header bg-warning">          <h5 *class*="modal-title">Book Details</h5>          <button *type*="button" *class*="btn-close" *data-bs-dismiss*="modal"></button>        </div>        <div *class*="modal-body">          <div *class*="row">            <div *class*="col-md-4">              <img *src*="1.jpg" *class*="img-fluid" *alt*="Book">            </div>            <div *class*="col-md-8">              <h4>The Hunger Games</h4>              <p>By Suzanne Collins</p>              <p>Dystopian adventure and survival story in a gripping tale.</p>              <div *class*="mb-2">                <button *class*="btn btn-brown w-100 mb-1" *id*="modalBuyBtn">Buy Now</button>                <button *class*="btn btn-outline-secondary w-100 mb-1" *id*="modalWishlistBtn">Add to Wishlist</button>              </div>              <div *class*="progress mb-2">                <div *class*="progress-bar" *style*="width: 45%;">Reading 45%</div>              </div>            </div>          </div>        </div>      </div>    </div>  </div>  *<!-- Toast Notifications -->*  <div *class*="position-fixed bottom-0 end-0 p-3" *style*="z-index: 11">    <div *class*="toast align-items-center text-bg-success border-0" *id*="wishlistToast" *role*="alert" *aria-live*="assertive" *aria-atomic*="true">      <div *class*="d-flex">        <div *class*="toast-body">Book added to wishlist!</div>        <button *type*="button" *class*="btn-close btn-close-white me-2 m-auto" *data-bs-dismiss*="toast"></button>      </div>    </div>  </div>  *<!-- Alert Placeholder -->*  <div *class*="position-fixed top-0 start-50 translate-middle-x p-3" *style*="z-index: 11" *id*="alertPlaceholder"></div>  *<!-- Bootstrap JS -->*  <script *src*="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>  <script>  *// Toast*    const toastEl = document.**getElementById**('wishlistToast');    const toast = new bootstrap.**Toast**(toastEl);  *// Wishlist buttons*    document.**querySelectorAll**('.wishlist-btn, #modalWishlistBtn').**forEach**(btn => {      btn.**addEventListener**('click', () => toast.**show**());    });  *// Buy Now Button Alert + Spinner Simulation*    document.**querySelectorAll**('.buy-btn, #modalBuyBtn').**forEach**(btn => {      btn.**addEventListener**('click', () => {  **showAlert**('Added to cart!', 'success');        let original = btn.innerHTML;        btn.innerHTML = '<span class="spinner-border spinner-border-sm" role="status" aria-hidden="true"></span> Processing...';        btn.disabled = true;  **setTimeout**(() => { btn.innerHTML = original; btn.disabled = false; }, 1500);        let count = **parseInt**(document.**getElementById**('cartCount').innerText) + 1;        document.**getElementById**('cartCount').innerText = count;      });    });  *// Show alert*    function **showAlert**(message, type) {      const wrapper = document.**getElementById**('alertPlaceholder');      const alertDiv = document.**createElement**('div');      alertDiv.className = `alert alert-${type} alert-dismissible`;      alertDiv.innerHTML = `${message}<button type="button" class="btn-close" data-bs-dismiss="alert"></button>`;      wrapper.**append**(alertDiv);  **setTimeout**(() => alertDiv.**remove**(), 3000);    }  *// Search Functionality*    document.**getElementById**('searchForm').**addEventListener**('submit', function(e){      e.**preventDefault**();      const query = document.**getElementById**('searchInput').value.**toLowerCase**();      document.**querySelectorAll**('.book-item').**forEach**(item => {        const title = item.**querySelector**('h5').innerText.**toLowerCase**();        item.style.display = title.**includes**(query) ? 'block' : 'none';      });    });  *// Genre Filter Buttons*    document.**querySelectorAll**('.genre-btn').**forEach**(btn => {      btn.**addEventListener**('click', () => {        const genre = btn.innerText.**toLowerCase**();        document.**querySelectorAll**('.book-item').**forEach**(item => {          item.style.display = item.dataset.genre.**toLowerCase**() === genre ? 'block' : 'none';        });      });    });  </script>  </body>  </html>  Contact.html  <!DOCTYPE *html*>  <html *lang*="en">  <head>  <meta *charset*="UTF-8"><meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">  <title>Contact Us</title>  <link *href*="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" *rel*="stylesheet">  </head>  <body>  <div *class*="container mt-5">  <h2>Contact Us</h2>  <form *id*="contactForm">  <div *class*="mb-3"><label>Name</label><input *class*="form-control" *required*></div>  <div *class*="mb-3"><label>Email</label><input *type*="email" *class*="form-control" *required*></div>  <div *class*="mb-3"><label>Message</label><textarea *class*="form-control" *rows*="4" *required*></textarea></div>  <button *type*="submit" *class*="btn btn-brown">Send Message</button>  </form>  </div>  <script>  document.**getElementById**('contactForm').**addEventListener**('submit',e=>{    e.**preventDefault**(); **alert**('Message sent successfully!'); e.target.**reset**();  });  </script>  </body>  </html>  Cart.html  <!DOCTYPE *html*>  <html *lang*="en">  <head>  <meta *charset*="UTF-8">  <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">  <title>Cart / Order List</title>  <link *href*="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" *rel*="stylesheet">  <style>  .btn-remove { background-color:#FF6F61; color:white; border:none; }  .btn-remove:hover { background-color:#e65c50; }  .qty-input { width:60px; text-align:center; }  </style>  </head>  <body>  <div *class*="container mt-5">  <h2>Your Cart / Order List</h2>  <table *class*="table table-bordered mt-3" *id*="cartTable">  <thead>  <tr>    <th>Title</th>    <th>Author</th>    <th>Price ($)</th>    <th>Quantity</th>    <th>Subtotal ($)</th>    <th>Action</th>  </tr>  </thead>  <tbody></tbody>  <tfoot>  <tr>    <th *colspan*="4" *class*="text-end">Total:</th>    <th *id*="totalPrice">0</th>    <th></th>  </tr>  </tfoot>  </table>  </div>  <script>  const booksData=[    {title:"The Hunger Games",author:"Suzanne Collins",price:10},    {title:"Percy Jackson",author:"Rick Riordan",price:12},    {title:"Divergent",author:"Veronica Roth",price:11},    {title:"Wonder",author:"R.J. Palacio",price:9},    {title:"Harry Potter",author:"J.K. Rowling",price:15},    {title:"The Maze Runner",author:"James Dashner",price:10},    {title:"To All the Boys",author:"Jenny Han",price:8},    {title:"The Fault in Our Stars",author:"John Green",price:11},    {title:"Eleanor & Park",author:"Rainbow Rowell",price:9},    {title:"The Giver",author:"Lois Lowry",price:10},    {title:"City of Bones",author:"Cassandra Clare",price:12},    {title:"Shadow & Bone",author:"Leigh Bardugo",price:13}  ];  *// Load cart from localStorage*  let cart=JSON.**parse**(localStorage.**getItem**('cart')||'[]');  *// Merge price data*  cart=cart.**map**(item=>{    const b=booksData.**find**(bk=>bk.title===item.title);    return {...item, price:b?b.price:10, qty:item.qty||1};  });  *// Render cart table*  const tbody=document.**querySelector**('#cartTable tbody');  function **renderCart**(){    tbody.innerHTML='';    let total=0;    cart.**forEach**((item,index)=>{      const subtotal=item.price\*item.qty;      total+=subtotal;      const tr=document.**createElement**('tr');      tr.innerHTML=`        <td>${item.title}</td>        <td>${item.author}</td>        <td>${item.price}</td>        <td>          <input type="number" class="form-control qty-input" min="1" value="${item.qty}" data-index="${index}">        </td>        <td>${subtotal}</td>        <td><button class="btn btn-remove btn-sm" data-index="${index}">Remove</button></td>      `;      tbody.**appendChild**(tr);    });    document.**getElementById**('totalPrice').innerText=total;    localStorage.**setItem**('cart',JSON.**stringify**(cart));  }  **renderCart**();  *// Quantity change*  tbody.**addEventListener**('input',e=>{    if(e.target.classList.**contains**('qty-input')){      const idx=**parseInt**(e.target.dataset.index);      let val=**parseInt**(e.target.value);      if(val<1) val=1;      cart[idx].qty=val;  **renderCart**();    }  });  *// Remove item*  tbody.**addEventListener**('click',e=>{    if(e.target.classList.**contains**('btn-remove')){      const idx=**parseInt**(e.target.dataset.index);      cart.**splice**(idx,1);  **renderCart**();    }  });  </script>  </body>  </html> |
| **OutPut :-** | Search book    Add to cart book |
|  |  |
|  | **TAILWIND FRAMEWORK** |
|  |  |
| **Defination:1** | **Introduction Of Tailwind** |
| **Code :-** | **• Install Tailwind CSS in a new project and configure it properly.**            **• Create a simple HTML page and apply at least 5 different Tailwind utility classes (e.g., text color, padding, margin, background).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Birds Table</title>  </head>  <body class="bg-sky-50 p-6">    <h1 class="text-3xl text-blue-700 font-bold text-center mb-6">Bird Information</h1>    <table class="table-auto border border-gray-300 mx-auto bg-white rounded-lg shadow-md">      <thead class="bg-blue-100">        <tr>          <th class="border px-4 py-2 text-left text-gray-700">Bird Name</th>          <th class="border px-4 py-2 text-left text-gray-700">Color</th>          <th class="border px-4 py-2 text-left text-gray-700">Habitat</th>        </tr>      </thead>      <tbody>        <tr class="hover:bg-blue-50">          <td class="border px-4 py-2">Parrot</td>          <td class="border px-4 py-2 text-green-600">Green</td>          <td class="border px-4 py-2">Tropical Forests</td>        </tr>        <tr class="hover:bg-blue-50">          <td class="border px-4 py-2">Sparrow</td>          <td class="border px-4 py-2 text-brown-600">Brown</td>          <td class="border px-4 py-2">Cities and Villages</td>        </tr>        <tr class="hover:bg-blue-50">          <td class="border px-4 py-2">Peacock</td>          <td class="border px-4 py-2 text-blue-600">Blue & Green</td>          <td class="border px-4 py-2">Rainforests</td>        </tr>      </tbody>    </table>  </body>  </html>  **OutPut:-** |
|  |  |
| **Defination:2** | **Tailwind CSS Layout**  **• Create a page layout where content is always cantered using container + mx-auto**  **Code:**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Centered Page</title>    <link href="output.css" rel="stylesheet">  </head>  <body class="bg-blue-50">    <div class="container mx-auto text-center p-10 bg-white rounded-lg shadow-md mt-20">      <h1 class="text-3xl font-bold text-blue-700 mb-2">Beautiful Birds</h1>      <p class="text-gray-600">Birds make our world colorful and lively.</p>    </div>  </body>  </html>  **Output :**    **• Create a YouTube video embed that always stays 16:9 on all devices.**  **Code :**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Responsive YouTube Video</title>    <link href="output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex items-center justify-center min-h-screen">    <div class="container mx-auto p-4">      <h1 class="text-2xl font-bold text-center mb-4 text-blue-700">Responsive YouTube Video (16:9)</h1>      <div class="aspect-video max-w-3xl mx-auto">        <iframe          class="w-full h-full rounded-lg shadow-lg"          src="https://www.youtube.com/embed/aqz-KE-bpKQ?rel=1&modestbranding=0"          title="Sample YouTube Video"          frameborder="0"          allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"          allowfullscreen>        </iframe>      </div>    </div>  </body>  </html>  **Output :**    **• Build a square profile picture using aspect-square.**  **Code :**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Square Profile Picture</title>    <link href="output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex items-center justify-center min-h-screen">    <div class="container mx-auto text-center p-4">      <h1 class="text-2xl font-bold mb-4 text-blue-700">Profile Picture</h1>      <div class="w-48 mx-auto overflow-hidden rounded-full shadow-lg">        <img src="1.jpg"             alt="Profile Picture"             class="w-full aspect-square object-cover">      </div>      <p class="mt-3 text-gray-700 font-semibold">charmi Monani</p>    </div>  </body>  </html>  **Output :**    **• Build a Pinterest-style gallery with columns-4 and gap-4**  **Code:-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Pinterest-Style Gallery</title>    <!-- Tailwind CSS compiled locally -->    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 p-6">    <h1 class="text-3xl font-bold text-center mb-6">Pinterest-Style Gallery</h1>    <div class="columns-4 gap-4">      <img src="11.jpeg" class="mb-4 w-full rounded-lg" alt="Image 1">      <img src="12.jpeg" class="mb-4 w-full rounded-lg" alt="Image 2">      <img src="13.jpeg" class="mb-4 w-full rounded-lg" alt="Image 3">      <img src="14.jpeg" class="mb-4 w-full rounded-lg" alt="Image 4">      <img src="15.jpeg" class="mb-4 w-full rounded-lg" alt="Image 5">      <img src="16.jpeg" class="mb-4 w-full rounded-lg" alt="Image 6">      <img src="17.jpeg" class="mb-4 w-full rounded-lg" alt="Image 7">    </div>  </body>  </html>  **Output :-**    **• Create a multi-section resume where each section starts on a new page (break-before-page).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Multi-Section Resume</title>    <link href="css/output.css" rel="stylesheet"> <!-- Local Tailwind CSS -->  </head>  <body class="bg-white text-gray-900 p-8 font-sans">    <header class="text-center mb-8">      <h1 class="text-4xl font-bold">Charmi soni</h1>      <p class="text-lg text-gray-600">Email: charmisoni2076@gmail.com | Phone: +91 8780235426| LinkedIn: linkedin.com/in/charmi2076</p>    </header>    <section class="break-before-page mb-8">      <h2 class="text-2xl font-semibold mb-4">Education</h2>      <ul class="list-disc list-inside space-y-2">        <li><strong>Bachelor of Computer Science</strong>, XYZ University, 2021-2024</li>        <li><strong>High School Diploma</strong>, ABC School, 2021</li>      </ul>    </section>    <section class="break-before-page mb-8">      <h2 class="text-2xl font-semibold mb-4">Work Experience</h2>      <ul class="list-disc list-inside space-y-2">        <li><strong>Software Intern</strong> at TechCorp (June 2023 - Dec 2023)            <p>Worked on developing responsive web applications using React and Tailwind CSS.</p>        </li>        <li><strong>Freelance Web Developer</strong> (Jan 2022 - May 2023)            <p>Built multiple small business websites and e-commerce platforms.</p>        </li>      </ul>    </section>    <section class="break-before-page mb-8">      <h2 class="text-2xl font-semibold mb-4">Skills</h2>      <ul class="list-disc list-inside space-y-2">        <li>HTML, CSS, JavaScript, Tailwind CSS</li>        <li>React.js, Node.js</li>        <li>Laravel, PHP, MySQL</li>        <li>Git, GitHub, VS Code</li>      </ul>    </section>    <section class="break-before-page mb-8">      <h2 class="text-2xl font-semibold mb-4">Projects</h2>      <ul class="list-disc list-inside space-y-2">        <li><strong>Online Bookstore</strong>: Developed a full-stack e-commerce website with Laravel and MySQL.</li>        <li><strong>Task Manager App</strong>: Built a CRUD web app using Django with user authentication.</li>      </ul>    </section>    </body>  </html>  **Output :-**    **• Build a blog post with headings that force a break after (break-after).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Blog Post with Breaks</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 text-gray-900 p-8 font-sans">    <article class="max-w-3xl mx-auto bg-white p-8 rounded-lg shadow-md">      <h1 class="text-4xl font-bold mb-6">The Journey of Web Development</h1>      <h2 class="text-2xl font-semibold mb-4 break-after-page">Introduction</h2>      <p class="mb-4">        Web development has evolved rapidly over the last decade. From simple static HTML pages to complex full-stack applications,        developers now have access to a wide array of tools and frameworks to build amazing web experiences.      </p>      <p class="mb-4">        This article explores the key milestones and technologies that shaped modern web development.      </p>      <h2 class="text-2xl font-semibold mb-4 break-after-page">Frontend Technologies</h2>      <p class="mb-4">        Frontend development focuses on the part of a website that users interact with. Modern frontend technologies include:      </p>      <ul class="list-disc list-inside mb-4">        <li>HTML5, CSS3, and JavaScript</li>        <li>Frameworks like React, Vue, and Angular</li>        <li>Styling tools like Tailwind CSS and Bootstrap</li>      </ul>      <h2 class="text-2xl font-semibold mb-4 break-after-page">Backend Development</h2>      <p class="mb-4">        Backend development handles the server-side logic, databases, and APIs. Popular backend technologies include:      </p>      <ul class="list-disc list-inside mb-4">        <li>Node.js with Express</li>        <li>PHP with Laravel</li>        <li>Python with Django or Flask</li>        <li>Databases: MySQL, PostgreSQL, MongoDB</li>      </ul>      <h2 class="text-2xl font-semibold mb-4 break-after-page">Conclusion</h2>      <p>        Modern web development is a combination of frontend and backend technologies. Keeping up with new tools and best practices        is essential for developers to build efficient and responsive web applications.      </p>    </article>  </body>  </html>  **Output:-**    **• Design a card grid where content doesn’t break inside (break-inside- avoid).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Card Grid</title>    <link href="css/output.css" rel="stylesheet"> </head>  <body class="bg-gray-100 p-6">    <div class="columns-3 gap-4">      <div class="break-inside-avoid bg-white p-4 rounded shadow mb-4">        <h2 class="text-xl font-bold mb-2">Card 1</h2>        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus lacinia odio vitae vestibulum vestibulum.</p>      </div>      <div class="break-inside-avoid bg-white p-4 rounded shadow mb-4">        <h2 class="text-xl font-bold mb-2">Card 2</h2>        <p>Integer nec odio. Praesent libero. Sed cursus ante dapibus diam.</p>      </div>      <div class="break-inside-avoid bg-white p-4 rounded shadow mb-4">        <h2 class="text-xl font-bold mb-2">Card 3</h2>        <p>Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum.</p>      </div>      <div class="break-inside-avoid bg-white p-4 rounded shadow mb-4">        <h2 class="text-xl font-bold mb-2">Card 4</h2>        <p>Praesent mauris. Fusce nec tellus sed augue semper porta. Mauris massa.</p>      </div>    </div>–  </body>  </html>  **Output :-**    **• Create a sticky navigation bar using sticky top-0.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Sticky Navbar</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100">    <nav class="sticky top-0 bg-white shadow-md p-4 z-50">      <div class="max-w-6xl mx-auto flex justify-between items-center">        <div class="text-xl font-bold">MyWebsite</div>        <ul class="flex space-x-6">          <li><a href="#" class="hover:text-blue-500">Home</a></li>          <li><a href="#" class="hover:text-blue-500">About</a></li>          <li><a href="#" class="hover:text-blue-500">Services</a></li>          <li><a href="#" class="hover:text-blue-500">Contact</a></li>        </ul>      </div>    </nav>    <div class="p-8 space-y-6">      <p class="text-gray-700">Scroll down to see the navbar stick at the top.</p>      <div class="h-[1500px] bg-gray-200 rounded p-4">Content area to enable scrolling</div>    </div>  </body>  </html>  **Output :-**    **• Build a fixed footer at the bottom of the page (fixed bottom-0).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Fixed Footer</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 min-h-screen flex flex-col">    <div class="flex-1 p-8">      <h1 class="text-3xl font-bold mb-4">Welcome to My Website</h1>      <p class="text-gray-700 mb-4">Scroll down to see the footer remain fixed at the bottom of the screen.</p>      <div class="h-[1000px] bg-gray-200 rounded p-4">        Content area to enable scrolling      </div>    </div>    <footer class="fixed bottom-0 left-0 w-full bg-gray-800 text-white p-4 text-center">      &copy; 2025 MyWebsite. All rights reserved.    </footer>  </body>  </html>    **Output :-** |
|  |  |
| **Defination:3** | **Tailwind CSS Flexbox**  **• Create a navigation bar with menu items spaced evenly using Flexbox utilities.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Flexbox Navbar</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100">    <nav class="bg-white shadow-md p-4">      <div class="max-w-6xl mx-auto flex justify-evenly items-center">        <a href="#" class="text-gray-700 hover:text-blue-500 font-semibold">Home</a>        <a href="#" class="text-gray-700 hover:text-blue-500 font-semibold">About</a>        <a href="#" class="text-gray-700 hover:text-blue-500 font-semibold">Services</a>        <a href="#" class="text-gray-700 hover:text-blue-500 font-semibold">Contact</a>      </div>    </nav>  </body>  </html>  **Output :-**    **• Build a card layout where multiple cards are aligned horizontally and wrap on smaller screens.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Card Layout</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 p-6">    <div class="flex flex-wrap gap-4 justify-center">      <div class="bg-white p-4 rounded shadow w-60">        <h2 class="text-xl font-bold mb-2">Card 1</h2>        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>      </div>      <div class="bg-white p-4 rounded shadow w-60">        <h2 class="text-xl font-bold mb-2">Card 2</h2>        <p>Integer nec odio. Praesent libero. Sed cursus ante dapibus diam.</p>      </div>      <div class="bg-white p-4 rounded shadow w-60">        <h2 class="text-xl font-bold mb-2">Card 3</h2>        <p>Sed nisi. Nulla quis sem at nibh elementum imperdiet.</p>      </div>      <div class="bg-white p-4 rounded shadow w-60">        <h2 class="text-xl font-bold mb-2">Card 4</h2>        <p>Duis sagittis ipsum. Praesent mauris. Fusce nec tellus sed augue semper porta.</p>      </div>    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:4** | **Tailwind CSS Grid**  **• Create a 3x3 grid gallery of images with equal spacing.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>3x3 Image Grid</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 p-6">    <h1 class="text-3xl font-bold mb-6 text-center">3x3 Image Gallery</h1>    <div class="grid grid-cols-3 gap-4">      <img src="1.jpeg" class="w-full h-48 object-cover rounded" alt="Image 1">      <img src="2.jpeg" class="w-full h-48 object-cover rounded" alt="Image 2">      <img src="3.jpeg" class="w-full h-48 object-cover rounded" alt="Image 3">      <img src="4.jpeg" class="w-full h-48 object-cover rounded" alt="Image 4">      <img src="5.jpeg" class="w-full h-48 object-cover rounded" alt="Image 5">      <img src="6.jpeg" class="w-full h-48 object-cover rounded" alt="Image 6">      <img src="7.jpeg" class="w-full h-48 object-cover rounded" alt="Image 7">      <img src="8.jpeg" class="w-full h-48 object-cover rounded" alt="Image 8">      <img src="9.jpeg" class="w-full h-48 object-cover rounded" alt="Image 9">    </div>  </body>  </html>  **Output :-**    **• Design a responsive grid-based product listing page with 4 columns on large screens, 2 on medium, and 1 on small.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Product Listing</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 p-6">    <h1 class="text-3xl font-bold mb-6 text-center">Product Listing</h1>    <div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6">      <!-- Product Card -->        <div class="bg-white p-4 rounded shadow">        <img src="14.jpeg" class="w-full h-48 object-cover rounded mb-4" alt="Product 3">        <h2 class="text-lg font-semibold mb-2">Product 3</h2>        <p class="text-gray-700 mb-2">$29.99</p>        <button class="bg-blue-500 text-white px-4 py-2 rounded hover:bg-blue-600">Buy Now</button>      </div>      <div class="bg-white p-4 rounded shadow">        <img src="1.jpeg" class="w-full h-48 object-cover rounded mb-4" alt="Product 4">        <h2 class="text-lg font-semibold mb-2">Product 4</h2>        <p class="text-gray-700 mb-2">$59.99</p>        <button class="bg-blue-500 text-white px-4 py-2 rounded hover:bg-blue-600">Buy Now</button>      </div>    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:5** | **Tailwind CSS Alignment**  **• Center a login form both vertically and horizontally using alignment utilities.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Centered Login Form</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 h-screen flex items-center justify-center">    <div class="bg-white p-8 rounded shadow-md w-80">      <h2 class="text-2xl font-bold mb-6 text-center">Login</h2>      <form class="space-y-4">        <input type="text" placeholder="Username" class="w-full border border-gray-300 p-2 rounded">        <input type="password" placeholder="Password" class="w-full border border-gray-300 p-2 rounded">        <button class="w-full bg-blue-500 text-white p-2 rounded hover:bg-blue-600">Login</button>      </form>    </div>  </body>  </html>  **Output :-**    **• Create a flexbox container where one item is aligned to the top, one in the middle, and one at the bottom.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Flex Alignment</title>    <link href="css/output.css" rel="stylesheet"> </head>  <body class="bg-gray-100 h-screen flex flex-col">    <div class="flex-1 flex flex-col justify-between max-w-md mx-auto p-6 bg-white rounded shadow">      <div class="bg-blue-200 p-4 rounded text-center">Top Item</div>      <div class="bg-green-200 p-4 rounded text-center">Middle Item</div>      <div class="bg-red-200 p-4 rounded text-center">Bottom Item</div>    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:6** | **Tailwind CSS Effects.**  **• Build a button with a hover glow effect using shadow utilities.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Hover Glow Button</title>  <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex items-center justify-center h-screen">  <button class="bg-blue-500 text-white px-6 py-3 rounded shadow-md hover:shadow-xl hover:shadow-blue-400 transition duration-300">  Hover Me  </button>  </body>  </html>  **Output :-**    **• Apply opacity-50 to an image and remove opacity on hover.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Opacity Hover Image</title>  <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex items-center justify-center h-screen">  <img src="images/photo1.jpg"  class="w-64 h-40 object-cover opacity-50 hover:opacity-100 transition duration-300 rounded shadow"  alt="Sample Image">  </body>  </html>  **Output :-**    **• Create a text block with mix-blend-multiply and compare with overlay.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Blend Mode Text</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex flex-col items-center gap-8 p-8">    <div class="relative w-80 h-40">      <img src="15.jpeg" class="w-full h-full object-cover rounded" alt="Background">      <div class="absolute inset-0 flex items-center justify-center">        <p class="text-white text-2xl font-bold mix-blend-multiply">Multiply Blend</p>      </div>    </div>    <div class="relative w-80 h-40">      <img src="16.jpeg" class="w-full h-full object-cover rounded" alt="Background">      <div class="absolute inset-0 flex items-center justify-center">        <p class="text-white text-2xl font-bold mix-blend-overlay">Overlay Blend</p>      </div>    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:7** | **Tailwind CSS Filters**  **• Apply grayscale filter to an image and remove it on hover.**  **Code :-**  <img src="1.jpeg"       class="w-64 h-40 object-cover grayscale hover:grayscale-0 transition duration-300 rounded shadow"       alt="Grayscale Image">  **Output :-**    **• Create a gallery where images use blur-sm until hovered.**  **Code :-**  <div class="flex flex-wrap gap-4">    <img src="15.jpeg" class="w-48 h-32 object-cover blur-sm hover:blur-0 transition duration-300 rounded" alt="Photo 2">    <img src="2.jpeg" class="w-48 h-32 object-cover blur-sm hover:blur-0 transition duration-300 rounded" alt="Photo 3">    <img src="7.jpeg" class="w-48 h-32 object-cover blur-sm hover:blur-0 transition duration-300 rounded" alt="Photo 4">  </div>  **Output :-**    **• Build a section with brightness-50 background image and text on top.**  **Code :-**  <div class="relative w-full h-64">    <img src="18.jpeg" class="w-full h-full object-cover brightness-50" alt="Background">    <div class="absolute inset-0 flex items-center justify-center">      <h2 class="text-white text-3xl font-bold">Overlay Text</h2>    </div>  </div>  **Output :-**    **• Compare contrast-200 vs contrast-50 on the same image.**  **Code :-**  <div class="flex gap-4">    <div class="w-64 h-40 relative">      <img src="9.jpeg" class="w-full h-full object-cover contrast-200 rounded" alt="High Contrast">      <p class="absolute bottom-2 left-2 text-white font-bold">Contrast 200</p>    </div>    <div class="w-64 h-40 relative">      <img src="16.jpeg" class="w-full h-full object-cover contrast-50 rounded" alt="Low Contrast">      <p class="absolute bottom-2 left-2 text-white font-bold">Contrast 50</p>    </div>  </div>  **Output :-** |
|  |  |
| **Defination:8** | **Tailwind CSS Transitions & Animations**  **• Build a div that smoothly scales up on hover (transition-transform).**  **Code :-**  <div class="w-40 h-40 bg-blue-500 rounded flex items-center justify-center text-white font-bold transform transition-transform duration-300 hover:scale-110">    Hover Me  </div>  **Output :-**    **• Use animate-spin to create a loading spinner.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <title>Multi-Color Loading Spinner</title>  <link href="css/output.css" rel="stylesheet"> <!-- Local Tailwind CSS -->  </head>  <body class="bg-gray-100 flex items-center justify-center h-screen">  <div class="relative w-24 h-24">  <!-- Outer Spinner -->  <div class="absolute inset-0 border-4 border-red-500 border-t-transparent rounded-full animate-spin"></div>  <!-- Middle Spinner -->  <div class="absolute inset-4 border-4 border-green-500 border-t-transparent rounded-full animate-spin animation-delay-200"></div>  <!-- Inner Spinner -->  <div class="absolute inset-8 border-4 border-blue-500 border-t-transparent rounded-full animate-spin animation-delay-400"></div>  </div>  </body>  </html>  **Output :**    **• Use animate-bounce to make an arrow bounce at the bottom of a hero section.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Bouncing Arrow Hero</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100">    <div class="relative w-full h-64 bg-blue-500 flex items-center justify-center">      <h1 class="text-3xl font-bold text-white">Hero Section</h1>      <div class="absolute bottom-4 text-white text-4xl animate-bounce">        ↓      </div>    </div>  </body>  </html>  **Output :-**  **• Create a card with fade-in effect using opacity + transition utilities.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Fade-In Card</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 flex items-center justify-center h-screen">    <div class="w-64 h-40 bg-white rounded shadow-md opacity-0 hover:opacity-100 transition-opacity duration-700 flex items-center justify-center font-bold text-gray-800">      Fade-In Card    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:9** | **Tailwind CSS Transforms**  **• Apply rotate-45 to an image on hover.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Rotate Image</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <img src="8.jpeg"         class="transition-transform duration-300 hover:rotate-45 rounded shadow-lg">  </body>  </html>  **Output :-**    **• Build a card that zooms in slightly (scale-105) when hovered.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Zoom Card</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <div class="bg-white w-64 p-6 rounded-lg shadow-md transform transition-transform duration-300 hover:scale-105">      <h2 class="text-xl font-bold mb-2">Hover Card</h2>      <p class="text-gray-600">This card slightly zooms in when hovered.</p>    </div>  </body>  </html>  **Output :-**    **• Use skew-x-6 to skew text for a banner.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Skew Banner</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-200">    <div class="bg-blue-500 text-white px-10 py-4 text-2xl font-bold skew-x-6">      Skewed Banner Text    </div>  </body>  </html>  **Output :-**  **• Combine rotate + scale to animate an icon on hover.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Rotate + Scale Icon</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <div class="text-5xl text-blue-600 transform transition-transform duration-300 hover:rotate-45 hover:scale-125">      ⚙️    </div>  </body>  </html>  **Output :-** |
|  |  |
| **Defination:10** | **Tailwind CSS Interactivity**  **• Create a button with hover, focus, and active states.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Interactive Button</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <button class="bg-blue-500 text-white px-6 py-3 rounded shadow-md                   hover:bg-blue-600 focus:outline-none focus:ring-2 focus:ring-blue-400                   active:bg-blue-700 transition duration-200">      Click Me    </button>  </body>  </html>  **Output :-**    **• Build a disabled button using disabled:opacity-50.**  **Code :-**  <button class="bg-green-500 text-white px-6 py-3 rounded shadow-md disabled:opacity-50 disabled:cursor-not-allowed" disabled>    Disabled  </button>  **Output :-**    **• Create a div that only appears on group-hover.**  **Code :-**  <div class="group relative w-64 h-32 bg-gray-300 rounded flex items-center justify-center">    <span class="font-bold">Hover Me</span>    <div class="absolute inset-0 bg-blue-500 text-white flex items-center justify-center opacity-0 group-hover:opacity-100 transition duration-300 rounded">      I Appear on Hover!    </div>  </div>  **Output :-**    **• Design a toggle switch using peer + peer-checked.**  **Code :-**  <div class="flex items-center gap-4">    <label class="relative inline-block w-12 h-6">      <input type="checkbox" class="peer absolute w-0 h-0" />      <span class="block bg-gray-300 rounded-full h-6 w-12 peer-checked:bg-blue-500 transition-colors duration-300"></span>      <span class="absolute left-0 top-0 bg-white w-6 h-6 rounded-full shadow-md transform transition-transform duration-300 peer-checked:translate-x-6"></span>    </label>    <span class="font-bold">Toggle Switch</span>  </div>  **Output :-** |
|  |  |
| **Defination:11** | **Tailwind CSS SVG**  **• Import an SVG icon and change its size using Tailwind classes (w-6 h-6).**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>SVG Size Example</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <svg xmlns="http://www.w3.org/2000/svg" class="w-6 h-6 text-blue-500" fill="none" viewBox="0 0 24 24" stroke="currentColor">      <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M5 13l4 4L19 7" />    </svg>  </body>  </html>  **Output :-**    **• Change SVG stroke and fill colors using text-red-500 fill-current.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>SVG Stroke & Fill Colors</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="flex items-center justify-center h-screen bg-gray-100">    <svg xmlns="http://www.w3.org/2000/svg" class="w-12 h-12 text-red-500 fill-current" viewBox="0 0 24 24">      <circle cx="12" cy="12" r="10" stroke="currentColor" stroke-width="2"/>      <path d="M12 6v6l4 2" stroke="currentColor" stroke-width="2"/>    </svg>  </body>  </html>  **Output :-**    **• Create a navbar with SVG icons styled in different colors.**  **Code :-**  **Output :-**  **• Build a button with an inline SVG that rotates on hover.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Navbar with Small SVG Icons</title>    <link href="css/output.css" rel="stylesheet">  </head>  <body class="bg-gray-100 p-6">    <nav class="bg-gray-200 p-4 flex gap-4 justify-center rounded">      <svg class="w-4 h-4 text-blue-500" xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke="currentColor">        <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M3 12l9-9 9 9v9a3 3 0 0 1-3 3h-12a3 3 0 0 1-3-3v-9z"/>      </svg>      <svg class="w-4 h-4 text-green-500" xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke="currentColor">        <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M21 21l-6-6m2-5a7 7 0 1 0-14 0 7 7 0 0 0 14 0z"/>      </svg>      <svg class="w-4 h-4 text-red-500" xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24" stroke="currentColor">        <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M5.121 17.804A7.962 7.962 0 0 1 12 15c2.21 0 4.21.895 5.879 2.344M15 11a3 3 0 1 0-6 0 3 3 0 0 0 6 0z"/>      </svg>    </nav>  </body>  </html>  **Output :-** |
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| **Defination:12** | **Tailwind CSS Screen Readers (Accessibility)**  **• Add a hidden label to an icon-only button using sr-only.**  **Code :-**  <button class="bg-blue-500 p-3 rounded text-white flex items-center justify-center">    <svg xmlns="http://www.w3.org/2000/svg" class="w-6 h-6" fill="none" viewBox="0 0 24 24" stroke="currentColor">      <path stroke-linecap="round" stroke-linejoin="round" stroke-width="2" d="M5 12h14M12 5l7 7-7 7"/>    </svg>    <span class="sr-only">Next</span>  </button>  **Output :-**    **• Create an accessible form where error messages are announced using aria live + sr-only.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Accessible Form</title>    <link href="css/output.css" rel="stylesheet"> <!-- Local Tailwind CSS -->  </head>  <body class="bg-gray-100 flex items-center justify-center h-screen">    <form id="contactForm" class="bg-white p-6 rounded shadow-md w-80 flex flex-col gap-4">      <label for="email" class="font-bold">Email</label>      <input type="email" id="email" placeholder="Enter your email" class="border p-2 rounded" required>      <!-- Hidden error message for screen readers -->      <span class="sr-only" aria-live="polite" id="email-error">Email is required.</span>      <button type="submit" class="bg-blue-500 text-white px-4 py-2 rounded">Submit</button>    </form>    <script>      const form = document.getElementById('contactForm');      const emailInput = document.getElementById('email');      const errorMsg = document.getElementById('email-error');    form.addEventListener('submit', function(e) {        e.preventDefault();        if (!emailInput.value) {          errorMsg.textContent = "Email is required.";          emailInput.focus();        } else {          errorMsg.textContent = "";          alert("Form submitted!");        }      });    </script>  </body>  </html>  **Output :-**    **• Build a navigation bar with visible menu names + extra labels for screen readers.**  **Code :-**  **Output :-**      **• Create a “Skip to Content” link that is hidden by default but visible to screen readers.**  **Code :-**  <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <meta name="viewport" content="width=device-width, initial-scale=1.0">    <title>Skip to Content Example</title>    <link href="css/output.css" rel="stylesheet"> </head>  <body class="bg-gray-100">    <a href="#main-content" class="sr-only focus:not-sr-only focus:absolute focus:top-4 focus:left-4 bg-blue-500 text-white px-4 py-2 rounded z-50">      Skip to Content    </a>    <nav class="bg-gray-200 p-4 flex gap-4">      <a href="#" class="text-blue-500">Home</a>      <a href="#" class="text-green-500">About</a>      <a href="#" class="text-red-500">Contact</a>    </nav>    <main id="main-content" class="mt-10 p-6 bg-white rounded shadow">      <h1 class="text-2xl font-bold mb-4">Main Content</h1>      <p>This is the main content area of the page. Users can skip directly here using the “Skip to Content” link.</p>    </main>  </body>  </html>  **Output :-** |
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|  | **Github link:-** **https://github.com/Charmi176/Project-/commit/0f5e45ad32c3c84e1fd219b43959f4e0e2b830b4** |

Date :

Techer’s Signature :