

Computer Multimedia & Animation

1. chapter

- Origins and evolution of HTML
- Basic syntax
- Basic text markup
- Images
- Lists
- Tables
- Forms
- Frames
- Overview and features of HTML5
- Introduction to CSS
- Levels of style sheets
- Style specification formats
- Selector forms
- Property value forms
- Font properties
- List properties
- Color
- Alignment of text
- The span and div tags
- Overview and features of CSS3
- Introduction to JavaScript
- Object orientation in JavaScript
- General syntactic characteristics
- Primitives, operations, and expressions
- Screen output and keyboard input

Practical's: Part A

1. Program to Design LOG IN Form in Html.
2. Program for Creating animation of “Bouncing Cloud” using HTML and CSS
3. Program to demonstrate a keyframe animation.
4. Program to demonstrate a Font style, font weight, & font size properties using CSS.
5. Program to demonstrate multiple animations
6. Write JavaScript Program to show light ON/OFF Demo

Practical's: Part

1. Program to Demonstrate SVG (Scalable Vector Graphics) Star.
2. Program to demonstrate “StrokeText()” method using HTML Canvas.
3. Program to demonstrate BezierCurveTo() method using HTML canvas.
4. Program to demonstrate different line patterns with different colors using Canvas.
5. Program to demonstrate Gradients using HTML Canvas.
6. Program to demonstrate Text shadows using HTML Canvas.

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2. chapter

- Introduction to animations
- Start and end states
- Interpolation
- Animations in HTML
- CSS animations
- Creating simple animations
- Detailed look at the CSS animation property
- Keyframes
- Declaring multiple animations
- Overview of CSS transitions
- Adding transitions
- Detailed look at transitions
- The longhand properties
- Longhand properties vs. shorthand properties
- Working with multiple transitions

3. chapter

- Viewing SVG files
- Embedding SVG in HTML5
- SVG shapes: Circle, Rectangle, Line, Ellipse, Polygon, Polyline
- SVG gradients
- SVG star

4. chapter

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- SVG star

4. chapter

- The rendering context
- Browser support for HTML5 Canvas
- Canvas examples
- Drawing rectangles
- Drawing paths
- Drawing lines
- Drawing Bezier curves
- Drawing Quadratic curves
- Using images in Canvas
- Creating gradients in Canvas
-

5. chapter

- HTML5 styles and colors
- Text and fonts in Canvas
- Patterns and shadows in Canvas
- Saving and restoring states in Canvas
- Translation in Canvas
- Rotation in Canvas
- Scaling in Canvas
- Transforms in Canvas
- HTML5 Canvas composition
- Canvas animations

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Visual Studio Code interface showing a web development project.

Explorer Panel:

- NEW FOLDER
- index.html
- main.html (selected)
- practical a.html
- practical b.html
- units.html

Editor Panel:

main.html > html > frameset

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>my first programme</title>
8 </head>
9 <frameset rows="10%,90%">
10
11
12   <frame src="index.html"/>
13
14   <frameset cols="50%,50%">
15     <frame src="units.html"/>
16     <frameset rows="50%,50%">
17       <frame src="practical a.html"/>
18       <frame src="practical b.html"/>
19     </frameset>
20   </frameset>
21
22
23
24 </frameset>
25
26
27 </html>
```

Bottom Panel:

- OUTLINE
- TIMELINE

Status Bar:

Ln 22, Col 5 Spaces: 4 UTF-8 CRLF HTML Port: 5500

Windows Taskbar:

Type here to search

13:42 09-05-2023

Visual Studio Code interface showing a new folder project named "index.html". The Explorer sidebar on the left lists the files: index.html, main.html, practical a.html, practical b.html, and units.html. The main editor displays the content of index.html, which is an HTML document. The document structure is shown as: index.html > html > body > h1.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>index</title>
8 </head>
9 <body>
10   <h1 style="padding-left: 250px;" >Computer Multimedia & Animation
11   </h1>
12 </body>
13 </html>
```

The status bar at the bottom indicates the current position is Line 10, Column 33, with 4 spaces. The encoding is UTF-8, line endings are CRLF, and the language is HTML. A port 5500 is also indicated.

practical a.html - New folder - Visual Studio Code

File Edit Selection View Go Run ...

EXPLORER

NEW FOLDER

- index.html
- main.html
- practical a.html
- practical b.html
- units.html

practical a.html > html > body > h4

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>programmes</title>
8 </head>
9 <body>
10   <h4>Practicals:
11     ... Part A</h4>
12   <ol>
13     <li>Program to Design LOG IN Form in Html.</li>
14     <li>Program for Creating animation of "Bouncing Cloud" using H
15     <li>Program to demonstrate a keyframe animation.</li>
16     <li>Program to demonstrate a Font style, font weight, & font s
17     <li>Program to demonstrate multiple animations</li>
18     <li>Write JavaScript Program to show light ON/OFF Demo</li>
19   </ol>
20 </body>
21 </html>
```

Ln 11, Col 20 (38 selected) Spaces: 4 UTF-8 CRLF HTML Port: 5500

0 0 0

Type here to search

13:42 09-05-2023

practical b.html - New folder - Visual Studio Code

File Edit Selection View Go Run ...

EXPLORER

NEW FOLDER

- index.html
- main.html
- practical a.html
- practical b.html**
- units.html

practical b.html > html > body > ol > li

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>programmes2</title>
8 </head>
9 <body>
10  <h4>Practicals:
11    Part </h4>
12  <ol>
13    <li>Program to Demonstrate SVG (Scalable Vector Graphics) Star
14    </li>
15    <li>Program to demonstrate "StrokeText()" method using HTML Ca
16    <li>Program to demonstrate BezierCurveTo() method using HTML c
17    <li>Program to demonstrate different line patterns with differ
18    Canvas.</li>
19    <li>Program to demonstrate Gradients using HTML Canvas.</li>
20    <li>Program to demonstrate Text shadows using HTML Canvas.
21  </li>
22  </ol>
23 </body>
24 </html>
```

Ln 21, Col 1 Spaces: 4 UTF-8 CRLF HTML Port: 5500

0 0 0

Type here to search

13:42 09-05-2023

Visual Studio Code interface showing a file explorer on the left and a code editor in the center. The file explorer displays a "NEW FOLDER" with files: index.html, main.html, practical a.html, practical b.html, and units.html. The code editor shows the content of units.html, which is an HTML document with a body containing a list of topics.

```
<body>
  <ol>
    <li><h4>chapter</h4></li>
    <ul>
      <li>Origins and evolution of HTML</li>
      <li>Basic syntax</li>
      <li>Basic text markup</li>
      <li>Images</li>
      <li>Lists</li>
      <li>Tables</li>
      <li>Forms</li>
      <li>Frames</li>
      <li>Overview and features of HTML5</li>
      <li>Introduction to CSS</li>
      <li>Levels of style sheets</li>
      <li>Style specification formats</li>
      <li>Selector forms</li>
      <li>Property value forms</li>
      <li>Font properties</li>
      <li>List properties</li>
      <li>Color</li>
      <li>Alignment of text</li>
      <li>The span and div tags</li>
      <li>Overview and features of CSS3</li>
      <li>Introduction to JavaScript</li>
      <li>Object orientation in JavaScript</li>
      <li>General syntactic characteristics</li>
      <li>Primitives, operations, and expressions</li>
      <li>Screen output and keyboard input</li>
    </ul>
    <li><h4>chapter</h4></li>
    <ul>
      <li>Introduction to animations</li>
      <li>Start and end states</li>
      <li>Interpolation</li>
      <li>Animations in HTML</li>
      <li>CSS animations</li>
      <li>Creating simple animations</li>
    </ul>
  </ol>
</body>
```

The status bar at the bottom indicates the current file is units.html, located at line 42, column 13. The encoding is UTF-8, and the line endings are CRLF. The port 5500 is open.

Windows taskbar at the bottom shows the search bar with "Type here to search" and the system clock displaying 13:43 on 09-05-2023.