

Unit-4

HTML Editors and Tools

(8 Marks)

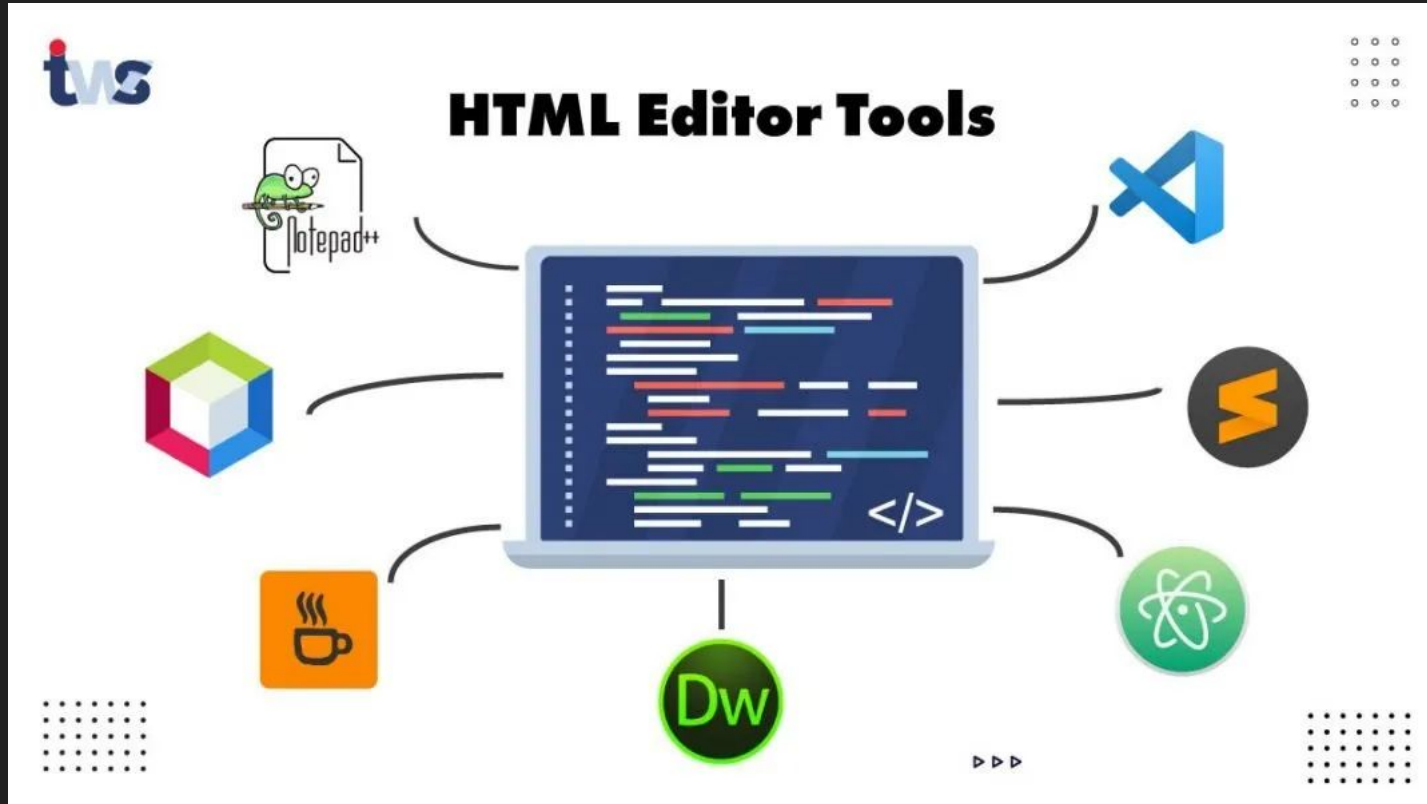
CTEVT Diploma in Computer Engineering

Subject : Web Technology

Shree Sarwajanik Secondary Technical School

Prepared By: Er. Abinash Adhikari

1. Introduction to HTML Editors and HTML Converters

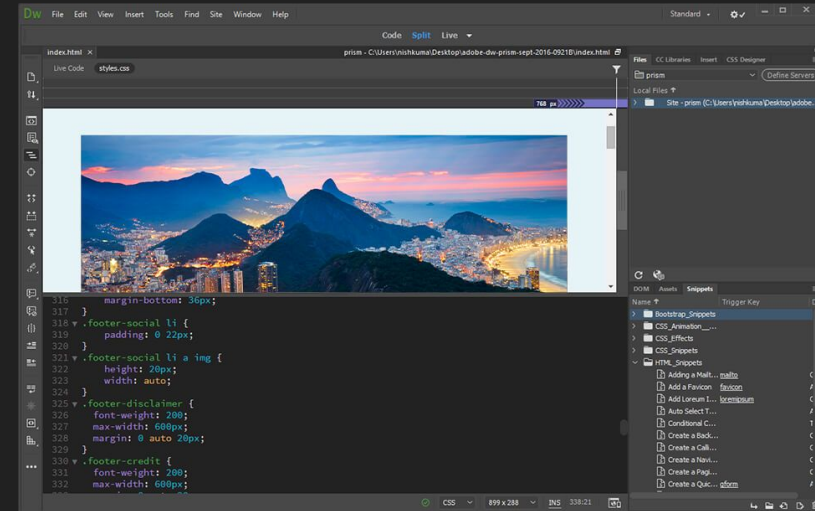


HTML Editors and Tools

- ❖ An HTML editor is a software application used to create, edit, and manage HTML code for building websites.
- ❖ HTML editors often include features like syntax highlighting, error checking, and live previews to streamline the development process.
- ❖ Examples of HTML Editors
 - Dreamweaver
 - Microsoft FrontPage
 - Notepad++

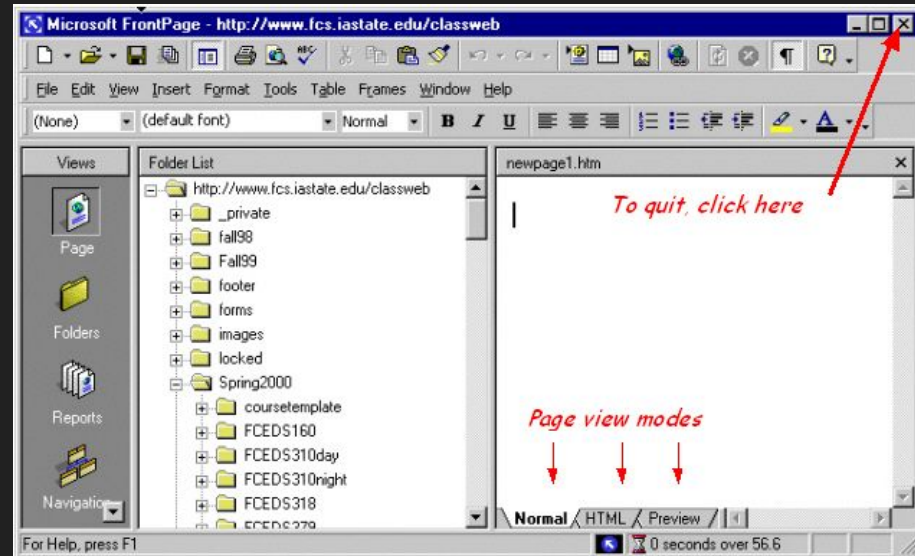
A. Dreamweaver

- ❖ A professional-grade WYSIWYG (What You See Is What You Get) HTML editor developed by Adobe.
- ❖ Supports visual design and code editing views.
- ❖ Provides built-in tools for CSS, JavaScript, and server-side scripting.
- ❖ Features include live preview, integration with Git, and cross-browser compatibility testing.



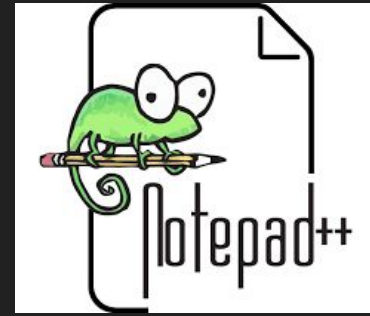
B. Microsoft FrontPage

- ❖ A discontinued WYSIWYG HTML editor developed by Microsoft.
- ❖ Allowed users to create web pages without needing to write code manually.
- ❖ Supported basic features like forms, hyperlinks, and formatting but lacked advanced tools available in modern editors.



C. Notepad++

- ❖ A lightweight, open-source text editor for developers.
- ❖ Features include syntax highlighting, auto-completion, and multiple programming language support.
- ❖ Great for manual HTML coding and lightweight web development tasks.

A screenshot of the Notepad++ text editor window. The title bar shows 'jquery.github.js - Notepad++'. The editor contains JavaScript code with syntax highlighting. The code is as follows:

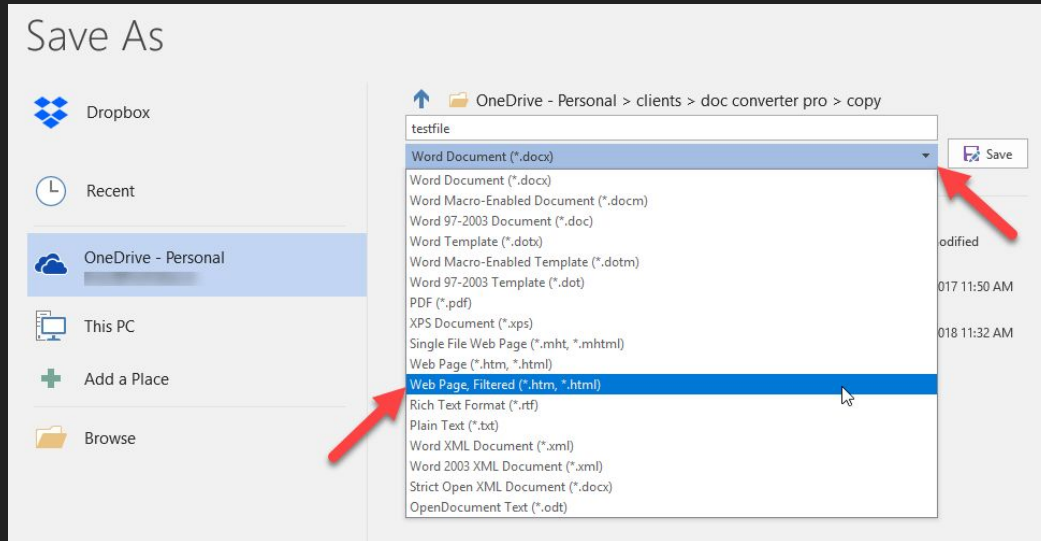
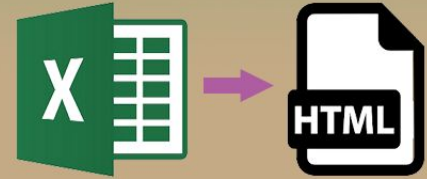
```
88  L};
89
90  // Request repositories from Github
91  Github.prototype.requestData = function ( repo ) {
92      var that = this;
93
94      $.ajax({
95          url: "https://api.github.com/repos/" + repo,
96          dataType: "jsonp",
97          success: function( results ) {
98              var result_data = results.data,
99                  isFailing = results.meta.status >= 400 && result_data.message;
100
101              if ( isFailing ) {
102                  that.handleErrorRequest( result_data );
103                  return;
104              }
105
106              that.handleSuccessfulRequest( result_data );
107          }
108      });
```

The status bar at the bottom shows 'JavaScript file', 'length: 4,633 lines: 164', 'Ln: 1 Col: 1 Sel: 0 | 0', 'Unix (LF)', 'UTF-8', and 'IN'.

HTML Converters

- ❖ Tools that convert documents, spreadsheets, or other formats into HTML.
- ❖ Common converters include Microsoft Word (Save as Web Page), Google Docs (Export as HTML), and specialized tools like Pandoc.

Convert Excel to HTML



2. Graphical and Animation Tools

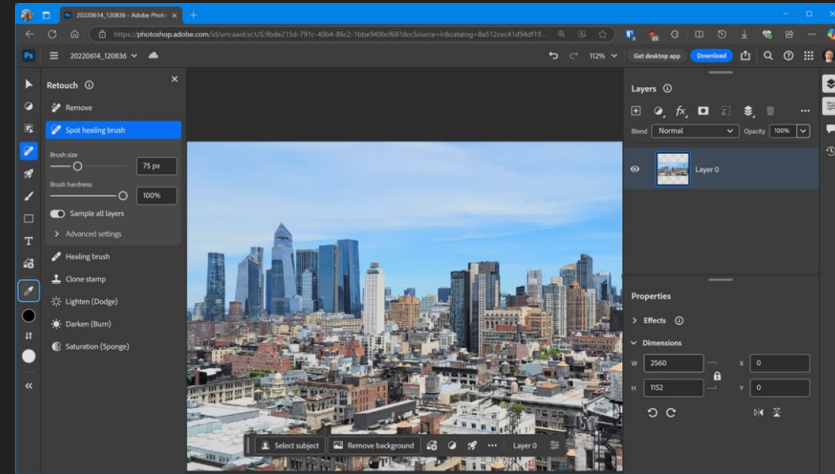


Graphical and Animation Tools

- ❖ Graphical tools are used to create and edit images or designs for web pages, while animation tools help create dynamic and interactive content.
- ❖ Examples of Graphical Tools
 - Adobe Photoshop
 - MS Paint
- ❖ Examples of Animation Tools
 - Adobe Flash
 - Blender (Alternative to Flash)

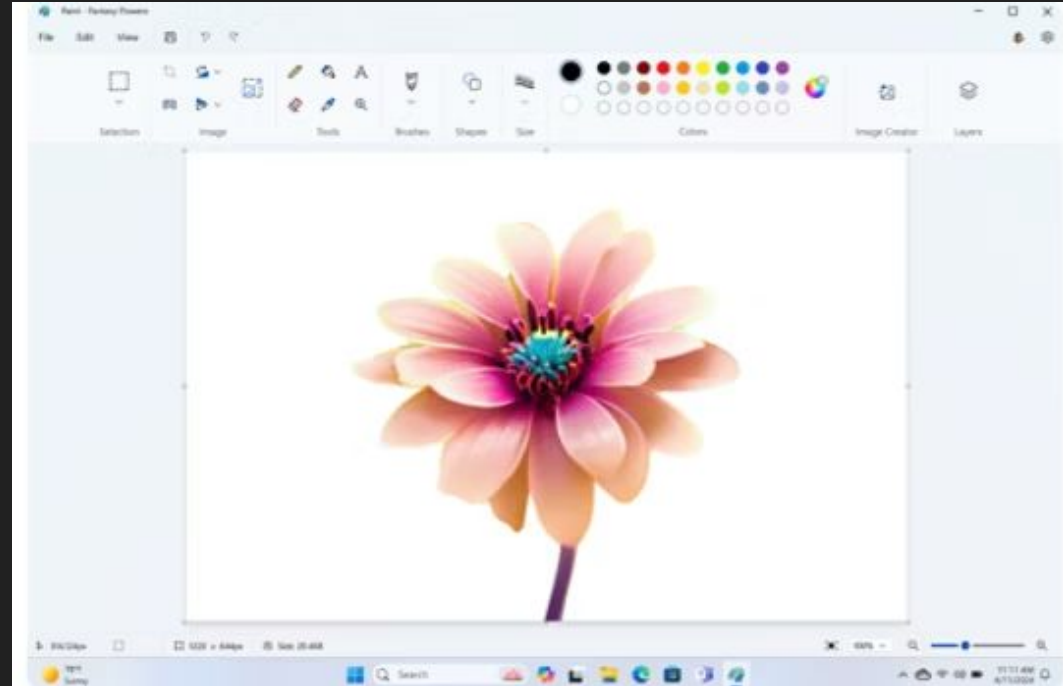
I. Adobe Photoshop

- ❖ A leading software for editing and creating images, graphics, and web layouts.
- ❖ Features include layers, advanced text effects, and image optimization for web use.
- ❖ Allows exporting graphics in web-friendly formats like JPEG, PNG, and GIF.



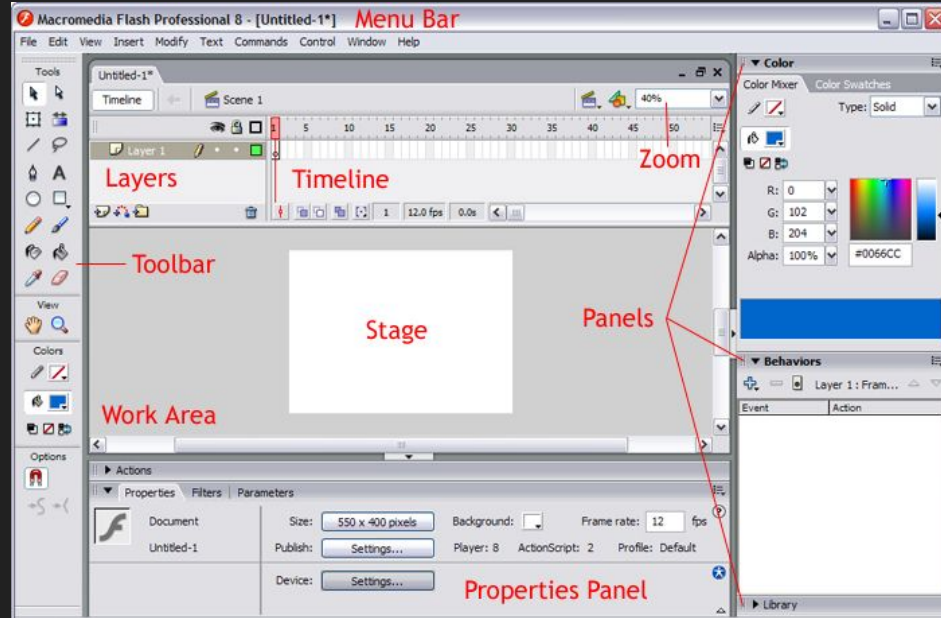
II. MS Paint

- ❖ A simple, built-in tool in Windows for basic image creation and editing.
- ❖ Useful for creating basic icons, logos, and simple illustrations.



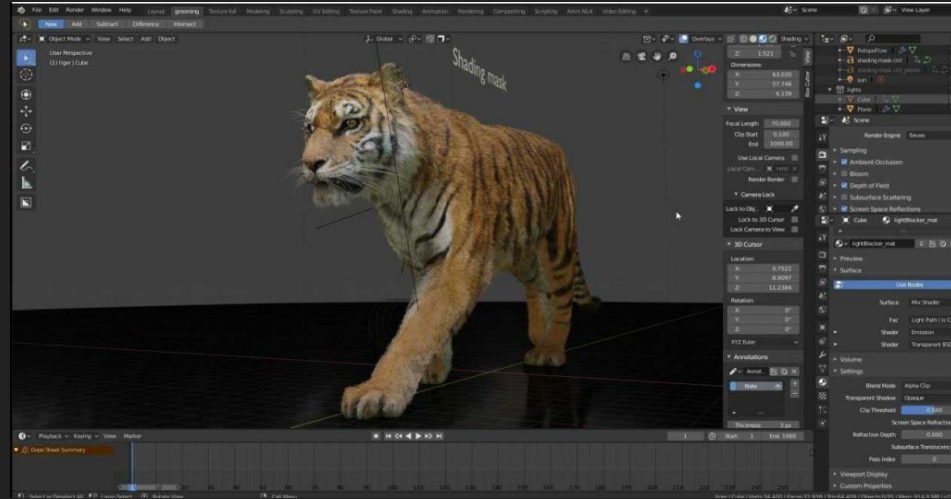
I. Adobe Flash

- ❖ A tool for creating vector-based animations, interactive content, and multimedia applications.
- ❖ Often used for banners, games, and interactive web elements.
- ❖ Flash content is now largely deprecated in favor of HTML5.



II. Blender (Alternative to Flash)

- ❖ An open-source tool for creating 2D and 3D animations.
- ❖ Supports rendering, modeling, and creating interactive visual content.



Adding Sounds and Animation to Web Pages

Using the `<embed>` Tag

The `<embed>` tag is used to include multimedia files like audio, video, or animations in web pages.

Example 1: Embedding a Sound



audio_embaded.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Embed Sound</title>
</head>
<body>
  <h1>Adding Sound</h1>
  <embed src="audio.mp3" width="300" height="50" type="audio/mpeg">
</body>
</html>
```

Example 2: Embedding an Animation

animation_embed.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Embed Animation</title>
</head>
<body>
  <h1>Adding Animation</h1>
  <embed src="animation.swf" width="600" height="400" type="application/x-shockwave-flash">
</body>
</html>
```