

Unit-4

HTML Editors & Tools:

- Use of different HTML editors and tools like Dreamweaver, Notepad++, Eclipse and NetBeans etc.
- Graphical and Animation Tools: Use of Different graphical and animation tools like Adobe Photoshop, MS Paint and Flash etc.
- Adding Sounds and Animation to the web page (using embed tag).

HTML editor:

- An HTML editor is a program for editing HTML documents.
- Html editors can offer convenience and added functionality.
- Many HTML editors not only handle HTML but also handle related technologies such as CSS, XML, javascript etc.

Some of the HTML editors are:

1. Dreamweaver:
2. Notepad
3. Notepad++
4. Eclipse
5. Netbeans
6. Sublime Text
7. Visual Studio Code

1. Dreamweaver:

- Adobe Dreamweaver is a software program for designing web pages.
- Dreamweaver supports many technologies such as CSS, javascript, PHP including HTML.
- Dreamweaver is a fully-featured code editor. It is equipped with features such as:
 - i. Syntax highlighting
 - ii. Code Completion
 - iii. Code collapsing etc.

2. Notepad ++:

- Notepad++ is a free source code editor
- It is a Notepad replacement that supports several languages.
- Notepad++ is written in C++.
- It ensures a higher execution speed and smaller program size.
- Some of its features are:
 - i. Auto-Completion
 - ii. Code Highlighting
 - iii. Keyboard Shortcuts
 - iv. Plugins etc.

3. Eclipse:

- Eclipse is an integrated development environment (IDE) for Java and other programming languages like C, C++, PHP, and Ruby etc.
- We can also use Eclipse for web designing.
- The features of Eclipse are:
 - code competition
 - workspace

- editors and views
- Debugger
- Code Highlighting
- Code Searching

4. Netbeans

- NetBeans IDE is a free and open-source integrated development environment. ○ It is used for application development on Windows, macOS, Linux etc.
- It also allows us to quickly and easily develop desktop, mobile, and web applications
- with Java, JavaScript, HTML5, PHP, C/C++ and more. ○ Features of NetBeans are:
 - code competition
 - workspace
 - editors and views
 - Debugger
 - Code Highlighting
 - Code Searching

5. Visual studio code:

- Visual Studio Code is a free source-code editor made by Microsoft for Windows, Linux and macOS.
- It was created by Microsoft.
- It is lightweight and highly popular.
- It supports many different languages and makes it simple to write code.
- It is mostly used in web development.
- Some of the features of the VS code are:
 - Syntax Highlighting
 - Auto refactoring
 - Code Snippet
 - Auto completion
 - Debugging
 - Themes
 - Shortcuts
 - Extensions etc.

Graphical and Animation Tools:

- Graphical tools are used in web designing for logos, banners, artworks, website demos etc.
- Some of the tools are:

Ms Paint

- It is a simple raster graphics editor that has been included with all the versions of Windows OS.
- MS Paint can be used to draw, colour and edit pictures, including imported pictures from a digital camera for example.
- It can save creations in standard formats such as .jpg, .png, .bmp etc.

Adobe Photoshop:

- Adobe Photoshop is a raster graphics editor developed and published by Adobe Inc . for Windows and macOS.
- It was originally created in 1988
- Since then, the software has become the industry standard not only in raster graphics editing but in digital art as a whole.
- Photoshop is mainly used for photo manipulation.
- It can also be used for logo designing, banners, Webpage demos etc.

Flash

- Adobe Flash Player in Internet Explorer, Firefox, and Google Chrome)
- It is computer software for viewing multimedia contents, executing rich Internet applications, and streaming audio and video.
- Adobe Flash Player plug-in can be used to play videos, games, and other interactive content. Although Flash Player has long been one of the most well-known plug-ins, it has become much less popular in recent years.

Adding Sounds and Animation to the web page.

<embed> tag:

- The <embed> tag in HTML is used for embedding external applications.
- Generally, they are multimedia content like audio or video into an HTML document.
- It is used as a container for embedding web page, a picture, a media player, or a plug-in application.

Attributes:

Attribute	Value	Description
width	<i>pixels</i>	Sets the width of the embedded content.
height	<i>pixels</i>	Sets the height of the embedded content.
src	<i>URL</i>	Specifies the URL of the resource being embedded.
type	<i>content-type</i>	Specifies the type of the resource.

Adding sound to the web page using <embed> tag:

Example:

```
<!DOCTYPE html>
<html>
  <head>
    <title>embed audio</title>
  </head>
  <body>
    <embed type="audio/ogg" src="song.mp3" width="400" height="300">
  </body>
</html>
```

Adding video to the web page <embed> tag:

Example:

```
<!DOCTYPE html>
<html>
  <head>
    <title>embed video</title>
```

```
</head>
<body>
  <embed type="video/webm" src="movie.mp4" width="400" height="300">
</body>
</html>
```