

MODULE 2: HTML EDITORS

Lesson 2.1: HTML Editors (Part 3)

Importance of HTML Editors

HTML editors are important because they:

- Provide a platform for writing HTML code.
 - Help users create and edit webpages easily.
 - Save HTML files in the correct format.
 - Make coding faster and more organised.
 - Help identify and reduce coding errors.
 - Improve the productivity of web developers.
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Applications of HTML Editors

HTML editors are used to create different types of websites, including:

- School websites
- Business websites
- Government websites
- Personal websites
- News websites
- Online shopping websites
- Educational websites
- Online portfolios

Whether a website is simple or complex, an HTML editor is used to write and edit its HTML code.

Real-Life Example

Imagine a carpenter building a table.

The carpenter uses tools such as:

- A saw
- A hammer
- A measuring tape

These tools help the carpenter produce a neat and accurate table.

Similarly, a web developer uses an **HTML editor** as a tool to create neat, accurate, and well-organised webpages.

Examination Tips

Remember the following points:

- ✓ An **HTML editor** is used to write and edit HTML code.
 - ✓ HTML editors do **not** display webpages; web browsers display webpages.
 - ✓ HTML files should be saved with the **.html** or **.htm** extension.
 - ✓ A **text editor** is simple and suitable for beginners.
 - ✓ An **IDE** provides advanced features such as syntax highlighting and auto-completion.
 - ✓ **Visual Studio Code (VS Code)** is one of the most popular HTML editors used today.
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Common Mistakes

Learners often make the following mistakes:

Incorrect Practice	Correct Practice
Confusing an HTML editor with a web browser.	An HTML editor is used to write code, while a web browser displays webpages.
Saving the file as index.txt.	Save the file as index.html.
Forgetting to save changes before opening the webpage.	Save the file after every change.
Expecting changes to appear automatically in the browser.	Refresh the webpage after saving the file.
Thinking all HTML editors have the same features.	Some editors, such as VS Code, have more advanced features than Notepad.

Key Points Summary

- An **HTML editor** is software used to create and edit HTML documents.
 - HTML documents are saved with the **.html** or **.htm** extension.
 - HTML editors are grouped into **Text Editors** and **Integrated Development Environments (IDEs)**.
 - **Notepad** is a simple text editor suitable for beginners.
 - **Visual Studio Code (VS Code)** is a popular HTML editor with advanced features.
 - Features of a good HTML editor include syntax highlighting, auto-completion, line numbering, search and replace, file management, and error detection.
 - After saving an HTML file, it must be opened in a web browser to view the webpage.
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Practical Activities

Activity 1: Identifying HTML Editors

Complete the table below by indicating whether each application is a **Text Editor**, an **IDE**, or a **Web Browser**.

Application	Type
Notepad	_____
Notepad++	_____
Visual Studio Code	_____
Google Chrome	_____
Microsoft Edge	_____
Adobe Dreamweaver	_____

Activity 2: Creating an HTML File

Using an HTML editor of your choice:

1. Type the following HTML code.

```
<!DOCTYPE html>
<html>

<head>
  <title>My School</title>
</head>

<body>

<h1>Welcome to My School</h1>

<p>I am learning HTML using an HTML editor.</p>

</body>

</html>
```

2. Save the file as **school.html**.
 3. Open the file in your web browser.
 4. Observe the output.
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Activity 3: Comparing HTML Editors

Complete the table below.

Feature	Notepad	Visual Studio Code
Syntax Highlighting		
Auto-completion		
Error Detection		
Suitable for Beginners		

Self-Assessment Questions

1. What is an HTML editor?
 2. State four purposes of an HTML editor.
 3. Name three examples of HTML editors.
 4. Differentiate between:
 - A text editor and an IDE.
 - An HTML editor and a web browser.
 5. State four features of a good HTML editor.
 6. Explain the steps involved in creating and saving an HTML file.
 7. Why is Visual Studio Code popular among web developers?
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Examination-Style Questions

Section A: Multiple Choice Questions

1. Which of the following is an HTML editor?

- A. Google Chrome
- B. Microsoft Edge
- C. Visual Studio Code
- D. Google Search

Answer: C

2. Which file extension is commonly used when saving an HTML document?

- A. .doc
- B. .txt
- C. .html
- D. .jpg

Answer: C

3. Which feature displays HTML code in different colours?

- A. File Management
- B. Syntax Highlighting
- C. Refresh
- D. Printing

Answer: B

4. Which of the following is a text editor?

- A. Notepad
- B. Google Chrome
- C. Mozilla Firefox
- D. Microsoft Edge

Answer: A

Section B: Short Answer Questions

1. Define an HTML editor.
 2. State four features of a good HTML editor.
 3. Explain the difference between a text editor and an IDE.
 4. Explain the difference between an HTML editor and a web browser.
 5. Describe the steps involved in creating and viewing an HTML document.
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Section C: Practical Question

Using **Notepad** or **Visual Studio Code**, create a webpage with the following details:

- **Title:** My First Website
- **Heading:** Welcome to Computer Studies
- **Paragraph:** HTML is easy to learn.

Save the file as **index.html** and open it in a web browser.

Exam Quick Review

Before the examination, make sure you can answer the following questions without referring to your notes:

- ✓ What is an HTML editor?
 - ✓ State three examples of HTML editors.
 - ✓ What is the difference between a text editor and an IDE?
 - ✓ What is the difference between an HTML editor and a web browser?
 - ✓ Name four features of a good HTML editor.
 - ✓ What file extension is used for HTML documents?
 - ✓ Explain the steps involved in creating, saving, and viewing an HTML file.
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Lesson Summary

In this lesson, you learned that an **HTML editor** is software used to write and edit HTML code. You explored the two main types of HTML editors—**Text Editors** and **Integrated Development Environments (IDEs)**—and compared their features. You also learned about popular HTML editors such as **Notepad**, **Notepad++**, and **Visual Studio Code**, and practised creating, saving, and viewing an HTML document. These skills prepare you for writing and editing HTML code efficiently.

Looking Ahead

In **Lesson 2.2: Creating Your First HTML File**, you will apply everything you have learned by creating your first complete HTML webpage. You will practise writing HTML code, saving it correctly, opening it in a web browser, and making simple changes to see how webpages are created and displayed. This practical lesson marks the beginning of your journey as a web developer.