1. Editors

2.0 Introduction of Editors

The term editor is means text editor, which is a software program that allows text by adding, deleting and rearranging letters, words, sentences and paragraphs.

Some examples of text editors:

Notepad - Windows text editor.

WordPad - Windows text editor.

Text Edit - Apple computer text editor.

Emacs - Text editor for all platforms that is a very powerful text editor.

Vi and Vim - Mostly used with Linux but also available with multiple platforms.

Writer- Text editor and word processor

Notepad++- Notepad++ is a powerful alternative to Windows Notepad

2.1 Notepad

Notepad is a simple text editor included with version of Microsoft Windows and LibreOffice writer that allows you to create, open, and read plaintext files. Notepad is a common text-only (plain text) editor. The resulting files typically saved with the .txt extension. It is a very elementary utility, but gets the job done most of the time.

Notepad++ is a free source code editor and supports several languages. Running in the MS Windows environment, its use is governed by GPL License. It features syntax highlighting, code folding and limited auto completion for programming, scripting and markup languages. It may properly highlight code written in a supported schema. Notepad++ is written in C++ and uses pure Win32 API and STL which ensures a higher execution speed and smaller program size.

2.1.1 Advantages of Using Notepad:

Save files as HTML files: Using Notepad you can create your webpage using HTML, Write basic HTML tags, headers and save the file with htmi extension.

1. Notepad can be used as Windows Explorer Skipper for specific files that cannot be deleted. You can use Notepad to delete such files

2. Notepad can break the text to create some impressive text-based design.

3. Notepad is simple text editor that can also be used to write complex script. You can create scripts which results in formatting of hard drive as well as useful script like PC shutdown These scripts will be executed with a simple click.

4. You can use Notepad as your digital diary, Diary that will keep you up-to-date regarding whatever you write. Every time you type in notepad, you can automatically insert date and time.

5. Save text files using different encodings: You can also use Save As to change the encoding of your file to match a particular character set.

6. **Print text files:** If there is nothing that you want to customize in the document that is going to be printed, open the File menu and click or tap Print. If you do want to customize the print. first click or tap on Page Setup, in the File menu.

7. **Change the font of the text:** It offers you a list of all your installed fonts, and the option to use bold, italic, and the like. However, unlike the way it works in programs like Microsoft Word, a change of font immediately affects the entire document. You cannot use one font in one

part of the document and another font in another part of it.

Notepad has been around for a very long time and continues to be a useful desktop app for writing simple text and HTML. If you need more than just the basics, we highly recommend Notepad++, which is an excellent free and open source option. Notepad++ supports syntax highlighting, regular expressions, auto-complete, and much more.

2.2 Downloading free Editors: Notepad++

Notepad++ is a free source code editor and Notepad replacement that supports several

languages. Running in the MS Windows environment, its use is governed by GPL License. It features syntax highlighting, code folding and limited auto completion for programming, scripting and markup languages. It may properly highlight code written in a supported schema. Notepad++ is written in C++ and uses pure Win32 API and STL which ensures a higher execution speed and smaller program size. By optimizing as many routines as possible without losing user friendliness, Notepad++ is trying to reduce the world carbon dioxide emissions. When using less CPU power, the PC can throttle down and reduce power consumption, resulting in a greener environment,

2.2.1 Procedure of download Notepad++ editor:

Step 1: In your browser type official website address: https://notepad-plus-plus.org.

Step 2: Select the latest Notepad++ version in left side frame and click on download Image.

Step 3: Open the folder with the downloaded package on your computer. Click twice the .exe file t run the Installer and Follow all installation steps.

Step 4: Select installation language

Step 5: Click on-Agree to the terms of the License Agreement

Step 6: Please wait when the system finish installation. That's all! Now you are ready to us Notepad++ software for editing codes

2.2.2 Features of Notepad++

Syntax Highlighting and Syntax Folding.

User Defined Syntax Highlighting and Folding: screenshot 1, screenshot 2, screenshot 3 and screenshot

PCRE (Peri Compatible Regular Expression) Search / Replace.

GUI entirely customizable: minimalist, tab with close button, multi-line tab, vertical tab and vertical document list

Document Map

Auto-completion: Word completion, Function completion and Function parameters hint..

Multi-Document (Tab interface).

Multi-View,

WYSIWYG (Printing).

Zoom in and zoom out.

Multi-Language environment supported.

Bookmark

Macro recording and playback.

Launch with different arguments.

2.3 Sublime Text Editor

Sublime Text is a proprietary cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and markup languages, and functions can be added by users with plug-ins, typically community-built and maintained under free-software licenses.

2.3.1 Procedure of downloading Sublime Text editor

Step 1: You can download sublime text editor from its official website. Goto your browser type official website address Le: https://www.sublimetext.com

Step 2: After going to its official website follow the link given to download sublime text editor according to your OS (operating system) needs.

Step 3: Open the folder with the downloaded package on your computer. Click twice the .exe file (executable file) to run the Installer and Follow all installation steps. When you run the executable file, you can observe the following window on your screen and Click Next.

Step 4: Now, choose the destination location to install Sublime Text3 and click Next.

After clicking next button verify the destination folder and then click on Install button.

Step 5: Click on Finish botton to complete the installation.

Please wait when the system finish installation. That's all! Now you are ready to use Sublime text editor software for editing codes. After the successful installation, your editor will appear as shown below:

2.3.2 Features of Sublime Text Editor

1. **Column selection and multi-select editing:** This feature allows users to select

entire columns a once or place more than one cursor in text, which allows for simultaneous editing. All cursors then behave as if each of them was the only one in the text. Commands like move by character move by line, text selection, move by words, move by sub words, move to beginning/end of line. etc. affect all cursors independentiy.

2. **Auto completion:** Sublime Text will offer to complete entries as the user is typing depending on the language being used. It also auto-completes variables created by the user.

3. **Syntax highlight and high contrast display:** The dark background on Sublime Text is inten reduce eyestrain and increase the amount of contrast with the text.

4. **In-editor code building:** This feature allows users to run code for certain languages from within the editor, which eliminates the need to switch out to the command line and back again. This function can also be set to build the code automatically every time the file is saved.

5. **Snippets:** This feature allows users to save blocks of frequently used code and assign keywords to them. The user can then type the keyword and press tab to paste the block of code whenever they require it.

6. **Goto anything:** This feature is a tool that allows users to switch between open, recent or project files and also navigate to symbols within them.

7. **Other features:** Sublime Text has a number of features in addition to these including....

a. Auto-save, which attempts to prevent users from losing their work.

b. Customizable key assignments, a navigational tool which allows users to assign hotkeys to their choice of options in both the menus and the toolbar.

c. Find as you type, begins to look for the text being entered as the user types without requiring a separate dialog box.

d. Spell check function corrects as you type

e. Macros facility.

f. Repeat the last action.

g. A wide selection of editing commands, including indenting and unindenting, paragraph reformatting and line joining.

2.4 Making use of Editors

In above topic we have already discussed about features of Text editor. Text editors are used by a huge variety of people, for a huge variety of purposes. For example software programmers and web developers use text editors to write and edit in programming and markup languages. This is one of the primary purposes of text editors, and many of the features of text editing software are built to help these users read

and write code. However, text editors are ideal tools for anyone who needs to write quickly and simply, read source code, or create text files.

With more advanced text editors come more advanced and useful features. Syntax highlighting, one of the most useful tools in a text editor's collection, color codes text based on the programming/markup language it written in.

2.5 File creation and editing

Here we see file creation and editing by using notepad++ application and also by using sublime editor.

1. **File creation and editing by using Notepad++ editor:** A text editor is a type of computer program that edits plain text. Such programs are sometimes known as "notepad" software, following the naming of Microsoft Notepad. A notepad is a simple text editor tool that comes with windows by default. It is one tool that is used by every individual to write or edit text files. It support almost all the languages and it saves the file with .txt extension.

But here we are using Notepad++ editor which is a free source code editor and is a replacement of the notepad. It additionally

supports more languages. It offers plug-in support, syntax highlighting and a general overall experience upgrade.

Here we see how to create a simple, text-based webpage by using your Windows computer Notepad++ application. You'll use HTML as your webpage's language.

Step by step file creation process

Step 1: Open Notepad++ editor.

Step 2: Set in which language you are going to write you're coding. Now our purpose is to write a HTML program. Then select Language menu bar>H>HTML.

Step 3: Write below code. fra fagy a ford |

<HTML>

\<BODY\>

HELLO WORLD !!!

\</BODY\>

\</HTML\>

File creation is over.

Step 4: Then Save this file by using.html extension.

File editing process

Step 5: Here we want to add some more lines, so that we need to edit the file. Then put cursor where you want to add. Here we want to add two more line like...

It looks like above figure. So our editing is over. Now it is time to save the file as web page.

2. **File creation and editing by using Sublime text editor:** Sublime Text is another popular text editor. It is proprietary software, not open source. Here we see how to create a simple, text-based webpage by using sublime text editor.

Step by step file creation and editing process:

Step 1: Open Sublime Text editor.

Step2: Set in which language you are going to write the code. Since our purpose is to write the HTML program. So we need to go to the View > Syntax> HTML.

Step3: After clicking HTML, goto your page and type the <HTML> tag. Then, the syntax of HTML code is automatically comes up.

Now you are able to write the HTML code here.

Step4: After writing the code, Save the above file with .html extension. Now your file is ready.

Step 5: Open the file you want to edit. For opening the file goto the File Menu > Open File / Open Folder or press Ctrl+0.

Step6: Select the file you want to open and click on the Open button. Now your file is open and you can edit/update it.

1.6 Saving

In above topic we already created a html file, now the question is how to save our required file in web page format.

For saving the file in notepad++ follow the steps given below:

Step 1: Click on File menu> Save As, Save as dialogue box will appear like below figures

Step 2: Provide a name of the file in File Name box, ex: First Program

Step 3: Next we need to save our file in the format of HTML, so that Choose save as type, for this select in list drop down box and choose "Hyper text markup language file"

Step 4: Select your destination folder where you want to save your web page

Step 5: Click on Save Button. Your file is saved in form of HTML.

For saving the file in Sublime Text editor follow the steps given below:

Step 1: Click on File menu> Save As. Now the Save As dialogue box will appear like below figure.

Step 2: Provide a name of the file in File Name box, ex: First Program

Step 3: Next we need to save our file in the format of HTML, so that Choose Save as type, for this select in list drop down box and choose "Hyper text markup language file".

Step 4: Select your destination folder where you want to save your web page.

Step 5: Click on Save Button. Your file is saved in form of HTML.