TEXT EDITOR :- VIM

A text editor is a type of computer program that edits plain text.

Vim is a highly configurable text editor built to enable efficient text editing. It is an improved version of the vi editor distributed with most UNIX systems.

Vim is often called a "programmer's editor," and so useful for programming that many consider it an entire IDE. It's not just for programmers, though. Vim is perfect for all kinds of text editing, from composing email to editing configuration files.

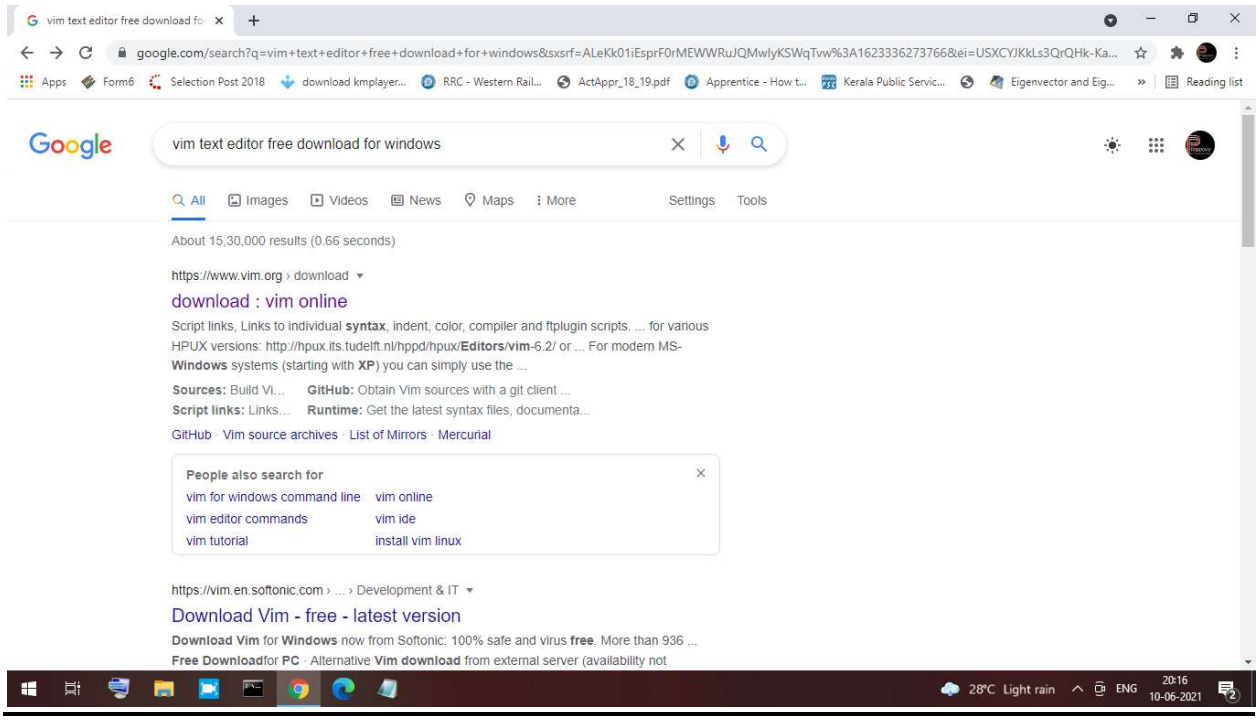
Despite what the above comic suggests, Vim can be configured to work in a very simple (Notepad-like) way, called evim or Easy Vim.

Vim is rock stable and is continuously being developed to become even better. Among its features are:

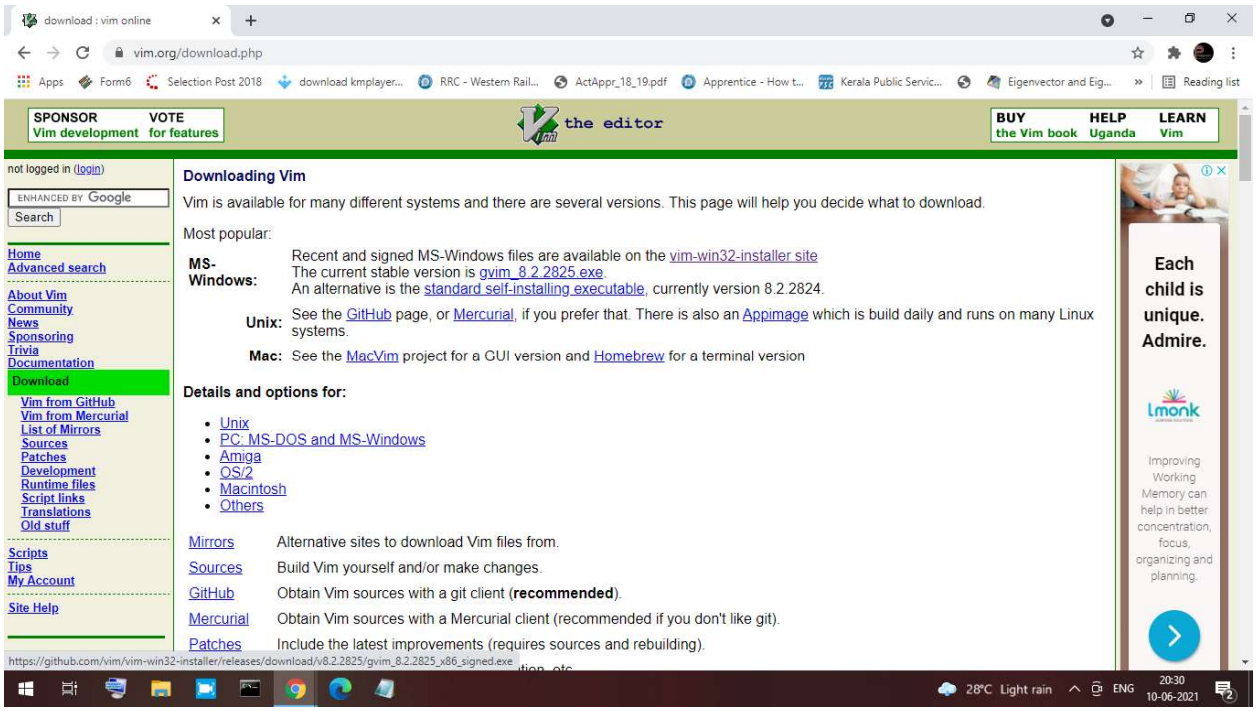
- persistent, multi-level undo tree
- extensive plugin system
- support for hundreds of programming languages and file formats
- powerful search and replace
- integrates with many tools

STEPS TO INSTALL VIM

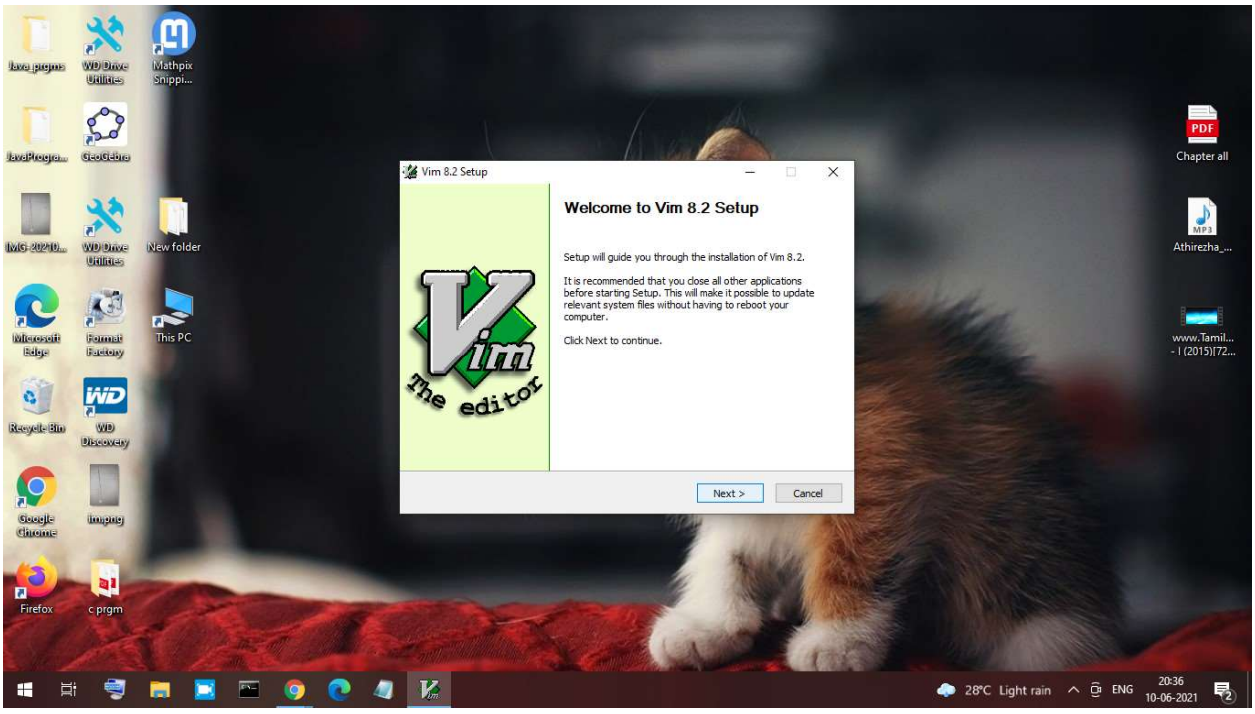
1. Search vim text editor download for windows on google.



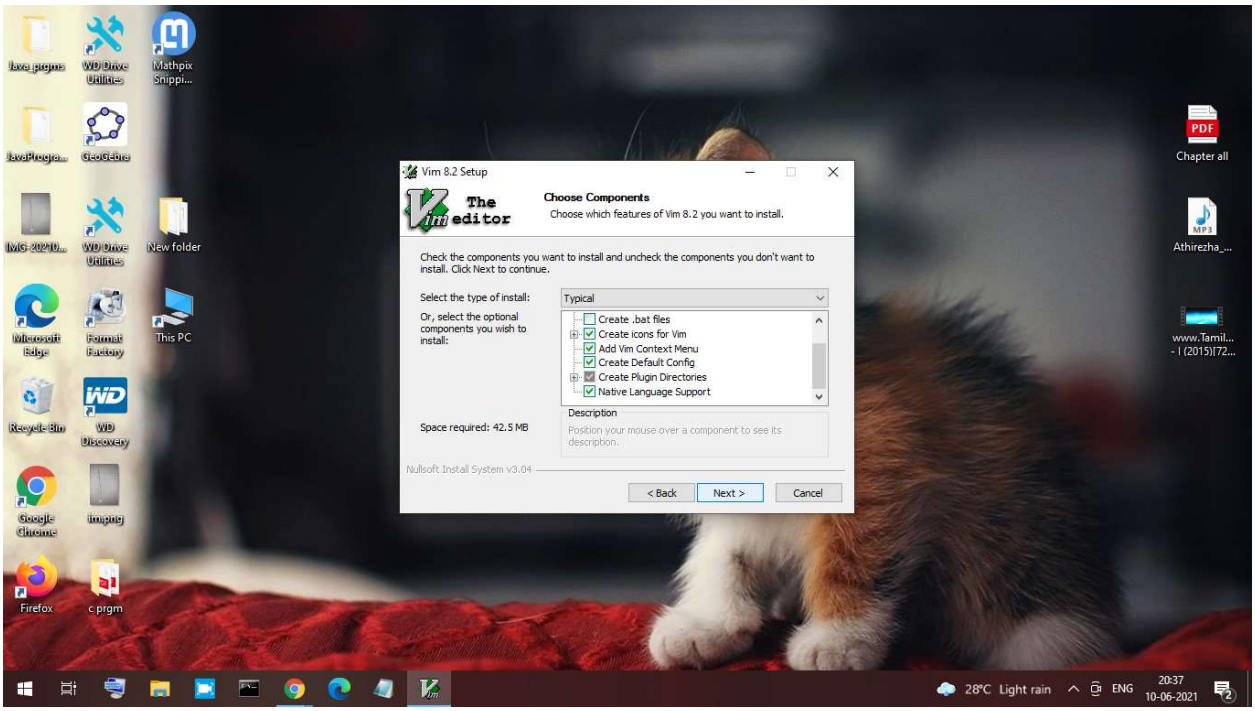
2. Click on the first link available , i.e,
   https://www.vim.org/download.php

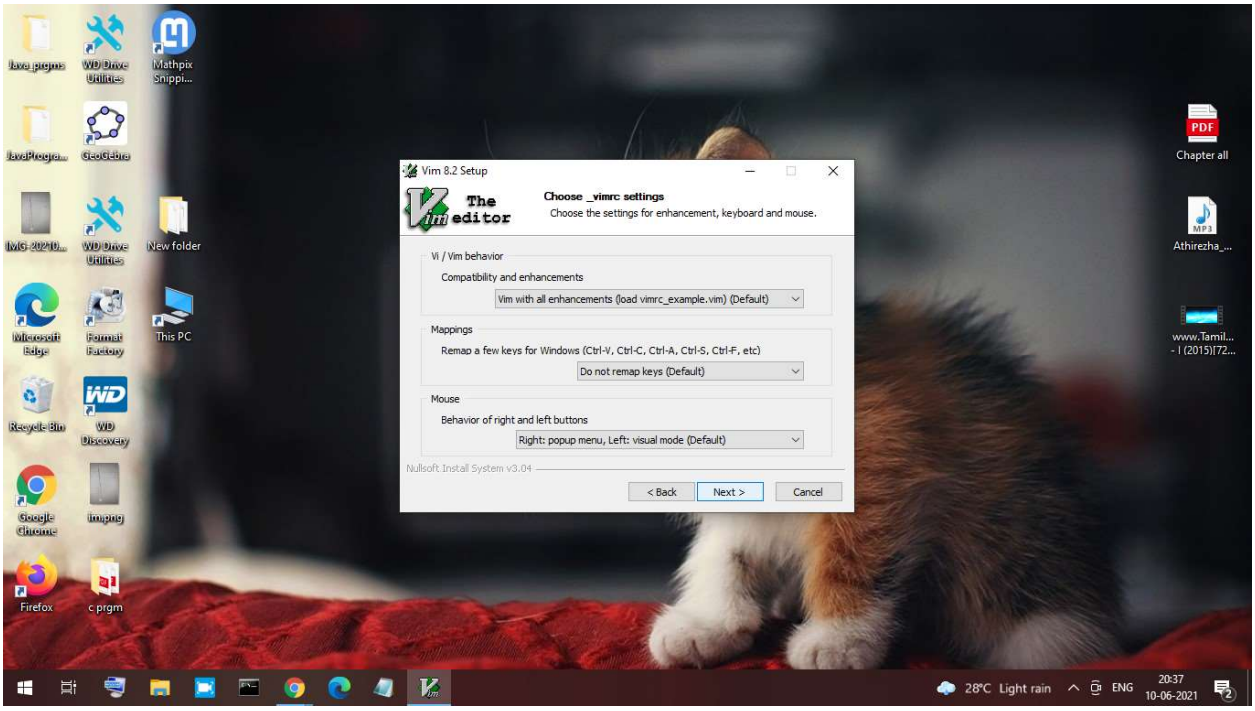


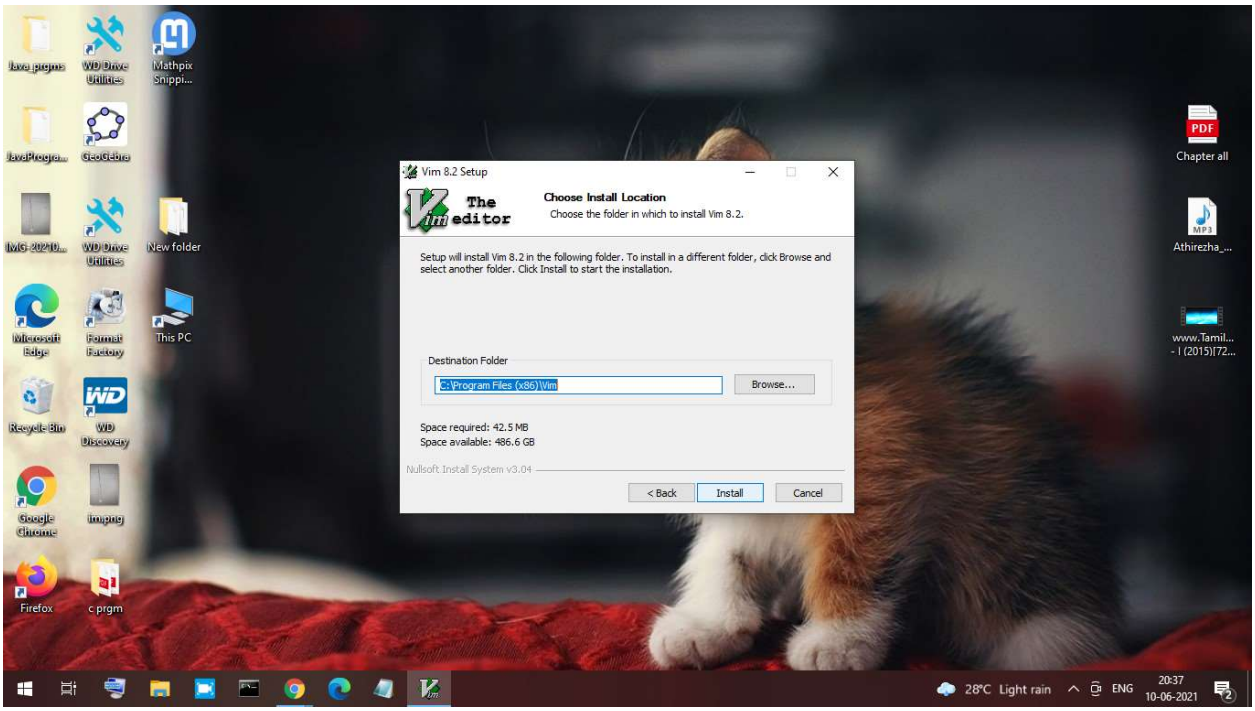
3. Click on gvim_8.2.2825.exe and an executable file will get downloaded and follow the steps as in the images given below.



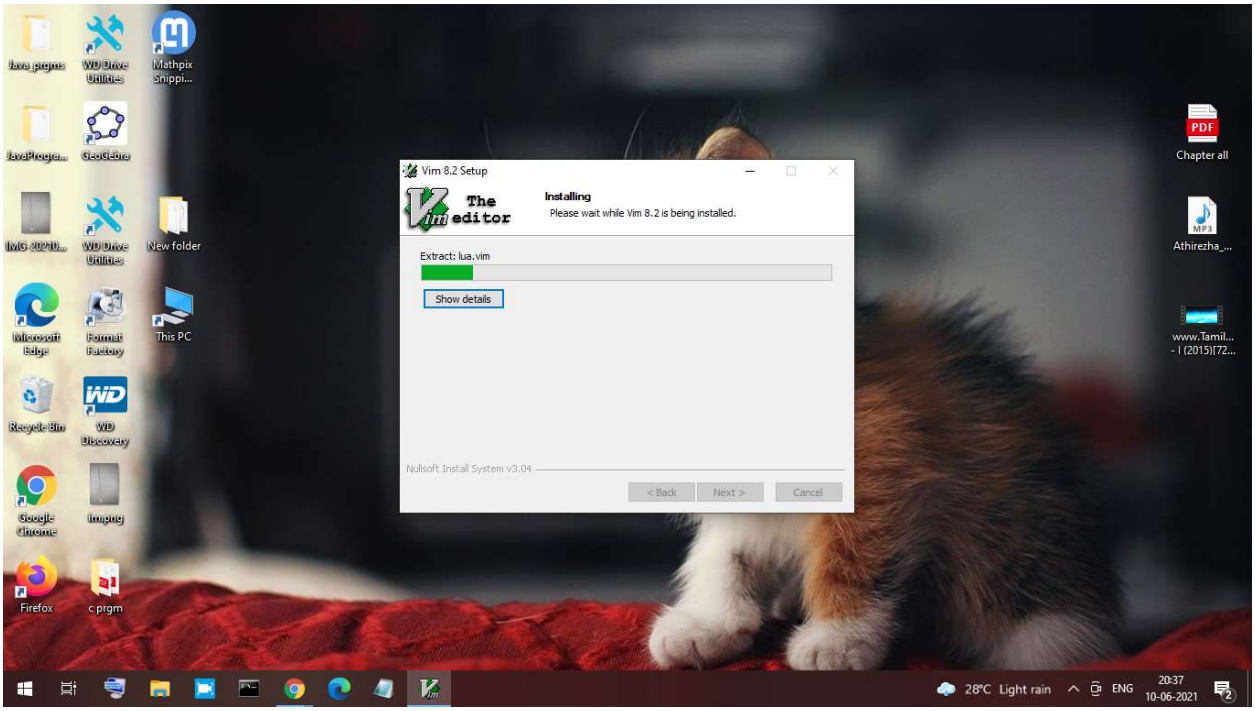
Click on next

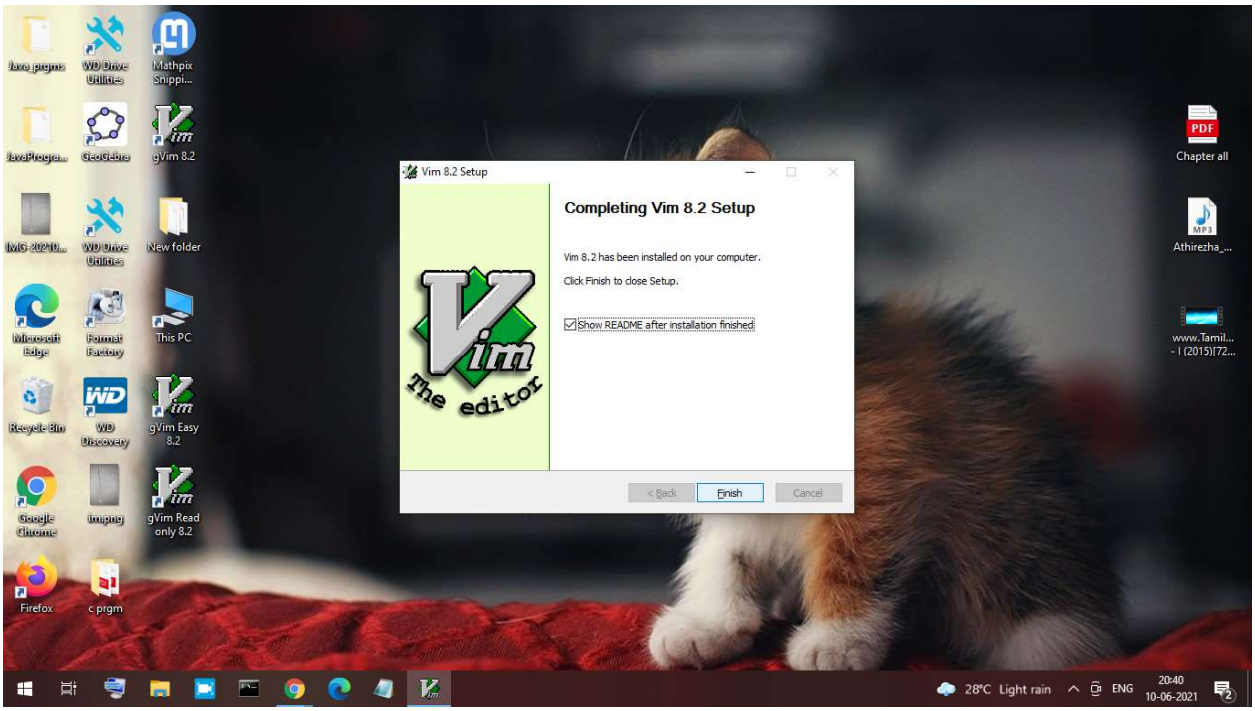

Vim 8.2 Setup
The editor
Choose Components
Choose which features of Vim 8.2 you want to install.
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.
Select the type of install:
Typical
Or, select the optional components you wish to install:
Create .bat files
Create icons for Vim
Add Vim Context Menu
Create Default Config
Create Plugin Directories
Native Language Support
Description
Position your mouse over a component to see its description.
Space required: 42.5 MB
Nullsoft Install System v3.04
< Back
Next >
Cancel


Vim 8.2 Setup
The editor
Choose _vimrc settings
Choose the settings for enhancement, keyboard and mouse.
Vi / Vim behavior
Compatibility and enhancements
Vim with all enhancements (load vimrc_example.vim) (Default)
Mappings
Remap a few keys for Windows (Ctrl-V, Ctrl-C, Ctrl-A, Ctrl-S, Ctrl-F, etc)
Do not remap keys (Default)
Mouse
Behavior of right and left buttons
Right: popup menu, Left: visual mode (Default)
Nullsoft Install System v3.04
< Back
Next >
Cancel



Click on install.





Now the installation of vim text editor on the pc is completed and set the path variable by using edit the environment variable option on the pc.

MODES IN VIM

There are three modes in vim. They are command mode ,insert mode and last line mode.

In the command mode, user can move around the file, delete text, etc.

In the insert mode, user can insert text.

In the last line mode, we can move back to the previous stages.

- **Command Mode:** When vi starts up, it is in Command Mode. This mode is where vi interprets any characters we type as commands and thus does not display them in the window. This mode allows us to move through a file, and to delete, copy, or paste a piece of text.
  To enter into Command Mode from any other mode, it requires pressing

the **[Esc]** key. If we press [Esc] when we are already in Command Mode, then vi will beep or flash the screen.

Commands in command mode:

Moving within a file

- k - Move cursor up
- j - Move cursor down
- h - Move cursor left
- l - Move cursor right
- **Insert mode:** This mode enables you to insert text into the file. Everything that's typed in this mode is interpreted as input and finally, it is put in the file. The vi always starts in command mode. To enter text, you must be in insert mode. To come in insert mode you simply type i. To get out of insert mode, press the Esc key, which will put you back into command mode.

Commands in insert/input mode:

- i - Insert at cursor (goes into insert mode)
- a - Write after cursor (goes into insert mode)
- A - Write at the end of line (goes into insert mode)
- ESC - Terminate insert mode
- u - Undo last change
- U - Undo all changes to the entire line
- o - Open a new line (goes into insert mode)
- dd - Delete line
- 3dd - Delete 3 lines.

- D - Delete contents of line after the cursor
- C - Delete contents of a line after the cursor and insert new text. Press ESC key to end insertion.
- dw - Delete word
- 4dw - Delete 4 words
- cw - Change word
- x - Delete character at the cursor
- r - Replace character
- R - Overwrite characters from cursor onward
- s - Substitute one character under cursor continue to insert
- S - Substitute entire line and begin to insert at the beginning of the line
- ~ - Change case of individual character

- **Last Line Mode(Escape Mode):** Line Mode is invoked by typing a colon [:], while vi is in Command Mode. The cursor will jump to the last line of the screen and vi will wait for a command. This mode enables you to perform tasks such as saving files, executing commands.

Saving and Closing the file

- Shift+zz - Save the file and quit
- :w - Save the file but keep it open
- :q !- Quit without saving
- :wq - Save the file and quit

- w!-write read-only file
- q - quit