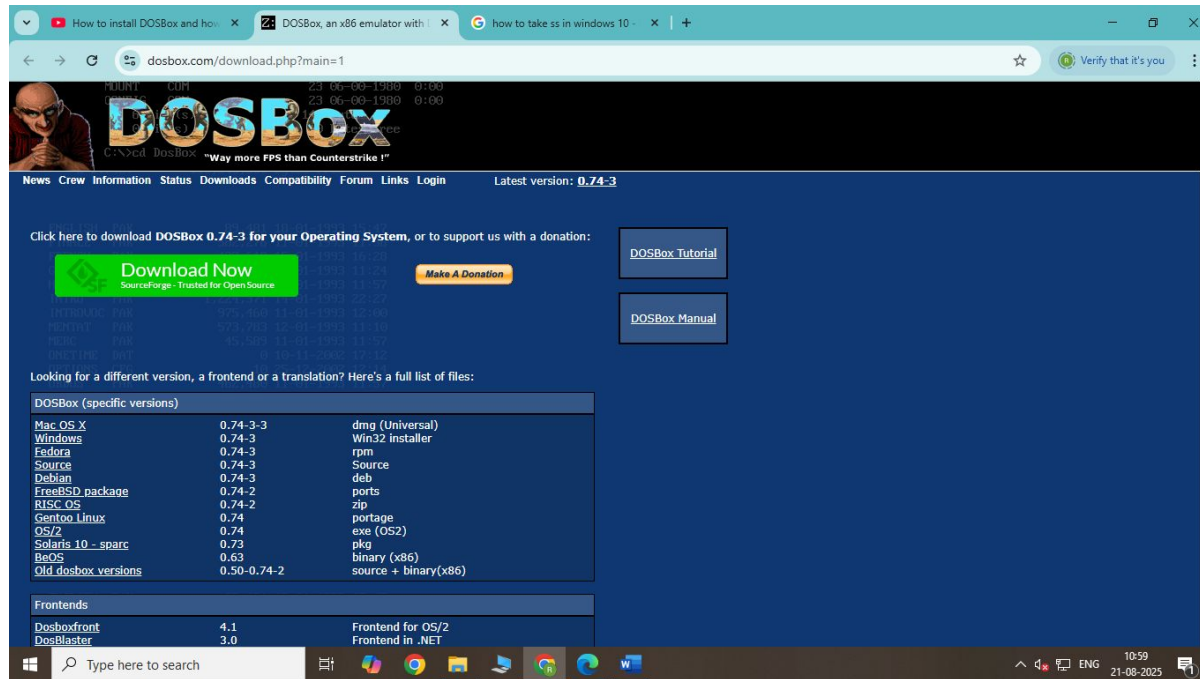


Practical : 1

Step 1 :-

Download link :- <https://www.dosbox.com/download.php?main=1>

8086_assembler(zipfolder) : <https://drive.google.com/file/d/1DoOrdZ6WJOGZwa-EuDXU-DnCHBtf2tl8/view>

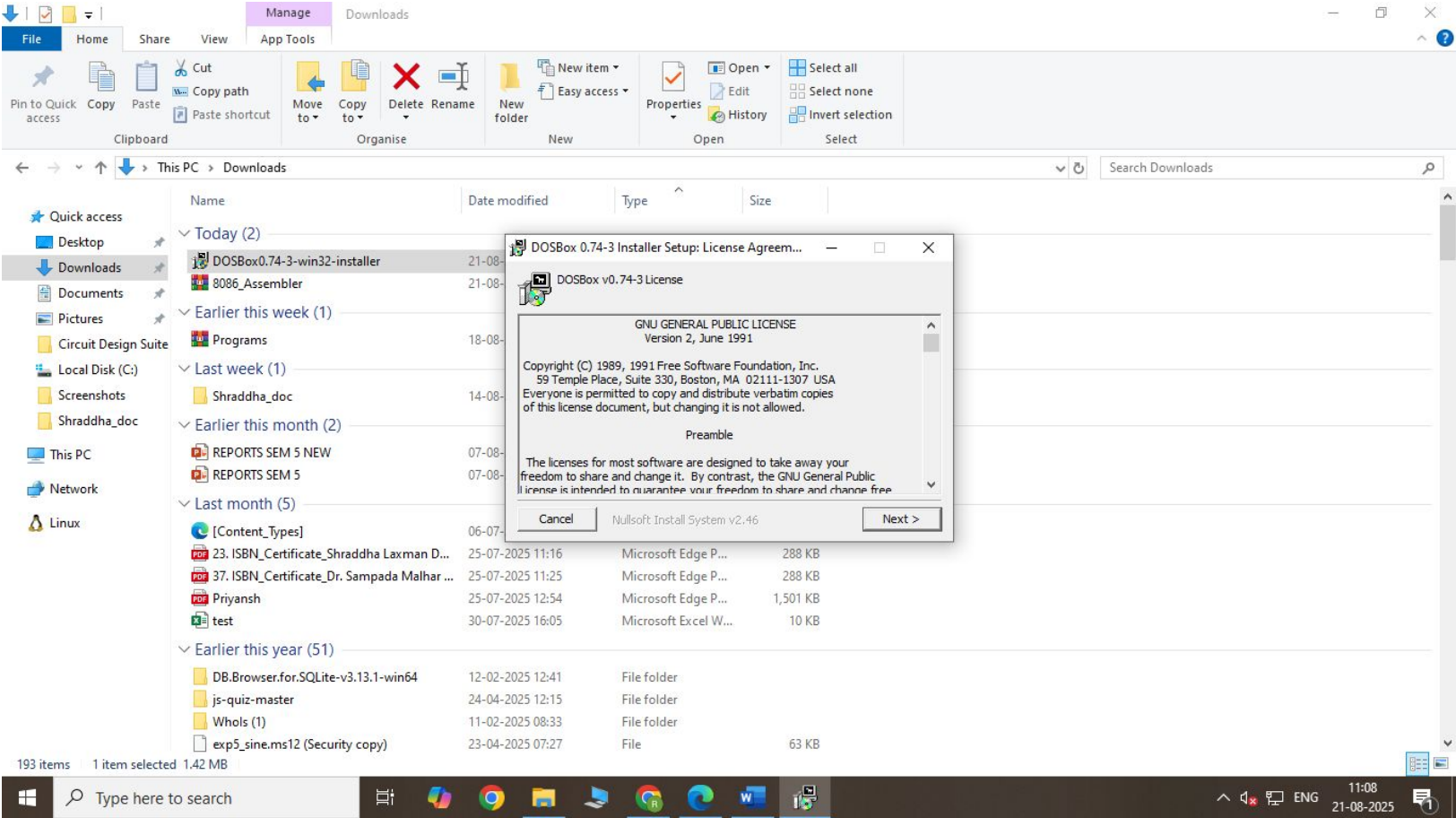


The screenshot shows the DOSBox website's download page. The browser's address bar displays `dosbox.com/download.php?main=1`. The website header features the DOSBox logo with the tagline "Way more FPS than Counterstrike!" and a navigation menu including News, Crew, Information, Status, Downloads, Compatibility, Forum, Links, and Login. The latest version is noted as 0.74-3. A central section prompts users to download DOSBox 0.74-3 for their operating system or to support the project with a donation. It includes a prominent green "Download Now" button, a yellow "Make A Donation" button, and links to a "DOSBox Tutorial" and "DOSBox Manual". Below this, a section titled "Looking for a different version, a frontend or a translation? Here's a full list of files:" provides a comprehensive list of available files categorized by operating system (Mac OS X, Windows, Fedora, Source, Debian, FreeBSD_package, RISC_OS, Gentoo Linux, OS/2, Solaris 10 - sparc, BeOS) and old DOSBox versions. It also lists frontends like Dosboxfront and DosBlaster. The Windows section lists various installers and sources, while the BeOS section lists binary and source code for x86.

DOSBox (specific versions)		
Mac OS X	0.74-3-3	dmg (Universal)
Windows	0.74-3	Win32 installer
Fedora	0.74-3	rpm
Source	0.74-3	Source
Debian	0.74-3	deb
FreeBSD_package	0.74-2	ports
RISC_OS	0.74-2	zip
Gentoo Linux	0.74	portage
OS/2	0.74	exe (OS2)
Solaris 10 - sparc	0.73	pkg
BeOS	0.63	binary (x86)
Old dosbox versions	0.50-0.74-2	source + binary(x86)

Frontends	
Dosboxfront	4.1
DosBlaster	3.0
	Frontend for OS/2
	Frontend in .NET

Step 2 :- Start the Installation process for DOSBox



FileHomeShareViewManageApp ToolsDownloads

Pin to Quick accessCopyPasteCutCopy pathPaste shortcutMove toCopy toDeleteRenameNew folderNew itemEasy accessPropertiesOpenSelect allSelect noneInvert selection

ClipboardOrganiseNewOpenSelect

←→↶↷⬇⬆⬇⬆This PC > Downloads

Search Downloads

Quick accessDesktopDownloadsDocumentsPicturesCircuit Design SuiteLocal Disk (C:)ScreenshotsShraddha_docThis PCNetworkLinux

Name	Date modified	Type	Size
▼ Today (2)			
DOSBox.0.74-3-win32-installer	21-08-		
8086_Assembler	21-08-		
▼ Earlier this week (1)			
Programs	18-08-		
▼ Last week (1)			
Shraddha_doc	14-08-		
▼ Earlier this month (2)			
REPORTS SEM 5 NEW	07-08-		
REPORTS SEM 5	07-08-		
▼ Last month (5)			
[Content_Types]	06-07-		
23. ISBN_Certificate_Shraddha Laxman D...	25-07-2025 11:16	Microsoft Edge P...	288 KB
37. ISBN_Certificate_Dr. Sampada Malhar ...	25-07-2025 11:25	Microsoft Edge P...	288 KB
Priyansh	25-07-2025 12:54	Microsoft Edge P...	1,501 KB
test	30-07-2025 16:05	Microsoft Excel W...	10 KB
▼ Earlier this year (51)			
DB.Browser.for.SQLite-v3.13.1-win64	12-02-2025 12:41	File folder	
js-quiz-master	24-04-2025 12:15	File folder	
Whols (1)	11-02-2025 08:33	File folder	
exp5_sine.ms12 (Security copy)	23-04-2025 07:27	File	63 KB

193 items1 item selected1.42 MB

DOSBox 0.74-3 Installer Setup: Installation Opti...

Select components for DOSBox

Select components to install:

☒ Core files

☒ Desktop Shortcut

Space required: 4.4MB

CancelNullsoft Install System v2.46< BackNext >

Windows

Type here to search

Taskbar icons: File Explorer, Chrome, Edge, Word, etc.

System tray: 11:08, 21-08-2025, ENG, etc.

FileHomeShareViewApp ToolsManageDownloads

Pin to Quick accessCopyPasteCutCopy pathPaste shortcutMove toCopy toDeleteRenameNew folderNew itemEasy accessPropertiesOpenSelect allSelect noneInvert selection

ClipboardOrganiseNewOpenSelect

←→↶↷⬇⬆⬇⬆This PC > Downloads

Search Downloads

Quick access

DesktopDownloadsDocumentsPicturesCircuit Design SuiteLocal Disk (C:)ScreenshotsShraddha_docThis PCNetworkLinux

Name	Date modified	Type	Size
▼ Today (2)			
DOSBox.0.74-3-win32-installer	21-08-		
8086_Assembler	21-08-		
▼ Earlier this week (1)			
Programs	18-08-		
▼ Last week (1)			
Shraddha_doc	14-08-		
▼ Earlier this month (2)			
REPORTS SEM 5 NEW	07-08-		
REPORTS SEM 5	07-08-		
▼ Last month (5)			
[Content_Types]	06-07-		
23. ISBN_Certificate_Shraddha Laxman D...	25-07-2025 11:16	Microsoft Edge P...	288 KB
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Priyansh	25-07-2025 12:54	Microsoft Edge P...	1,501 KB
test	30-07-2025 16:05	Microsoft Excel W...	10 KB
▼ Earlier this year (51)			
DB.Browser.for.SQLite-v3.13.1-win64	12-02-2025 12:41	File folder	
js-quiz-master	24-04-2025 12:15	File folder	
Whols (1)	11-02-2025 08:33	File folder	
exp5_sine.ms12 (Security copy)	23-04-2025 07:27	File	63 KB

193 items1 item selected1.42 MB

DOSBox 0.74-3 Installer Setup: Installation Folder

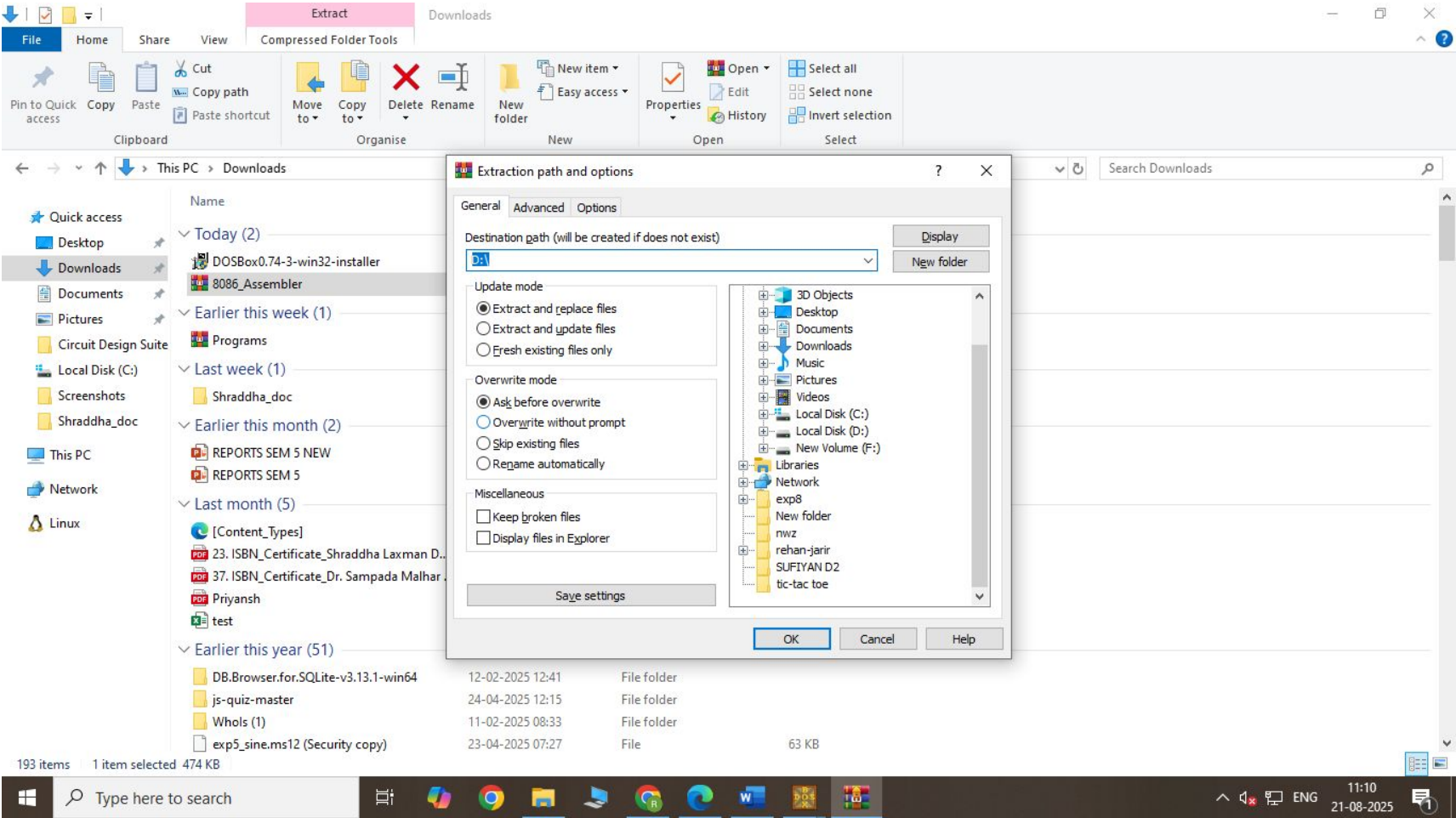
This will install DOSBox v0.74-3 on your computer. Choose a directory

Destination Folder
C:\Program Files (x86)\DOSBox-0.74-3Browse...

Space required: 4.4MB
Space available: 90.3GB

CancelNullsoft Install System v2.46< BackInstall

Step 3 :- change the Location of the 8086_Assembler to D drive



File

Home

Share

View

Manage

Drive Tools

Local Disk (D:)

Pin to Quick access

Copy

Paste

Cut

Copy path

Paste shortcut

Clipboard

Move to

Copy to

Delete

Rename

Organise

New folder

New item

Easy access

New

Properties

Open

Open

Edit

History

Select all

Select none

Invert selection

Select

←

→

↶

↷

⌂

This PC

Local Disk (D:)

Search Local Disk (D:)

★ Quick access

Desktop

Downloads

Documents

Pictures

Circuit Design Suite

Local Disk (C:)

Screenshots

Shraddha_doc

This PC

Network

Linux

Name	Date modified	Type	Size
8086	10-02-2011 18:09	File folder	

1 item

Windows logo

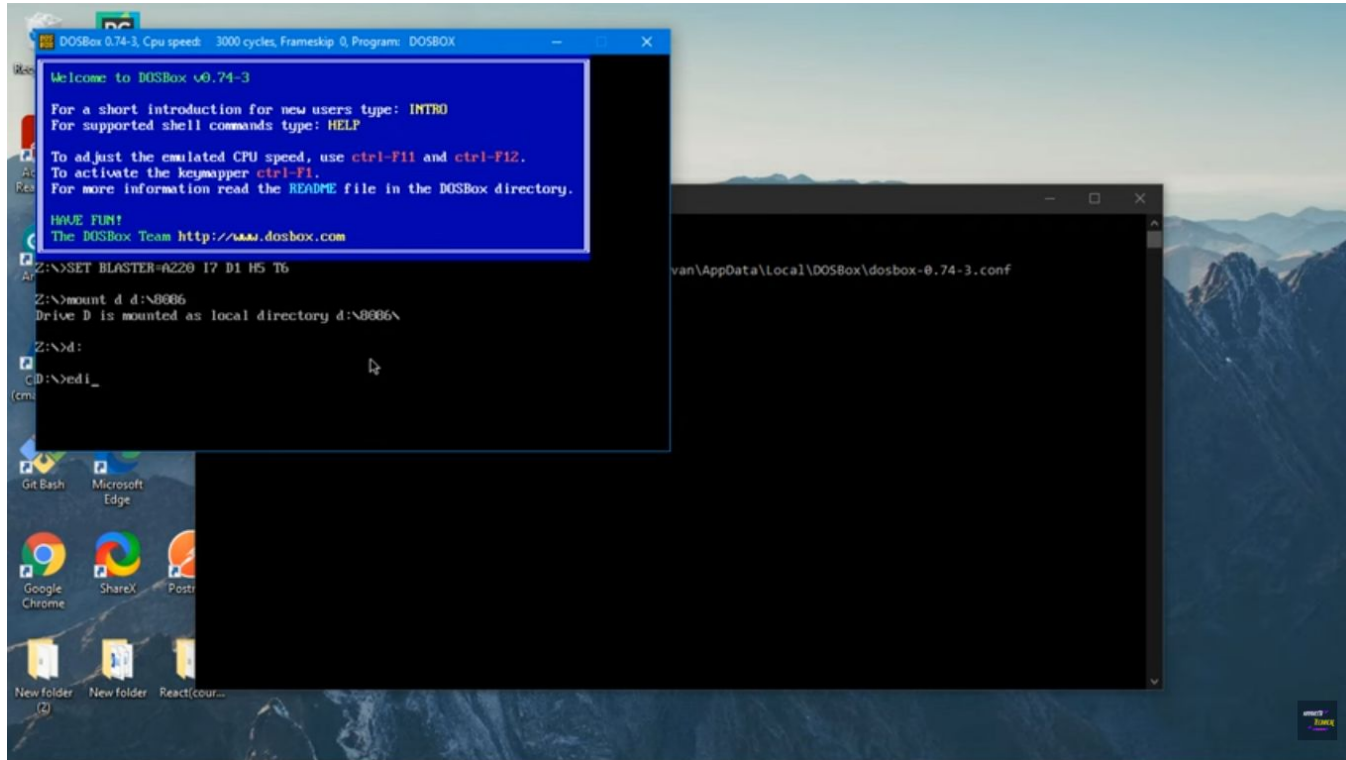
Type here to search

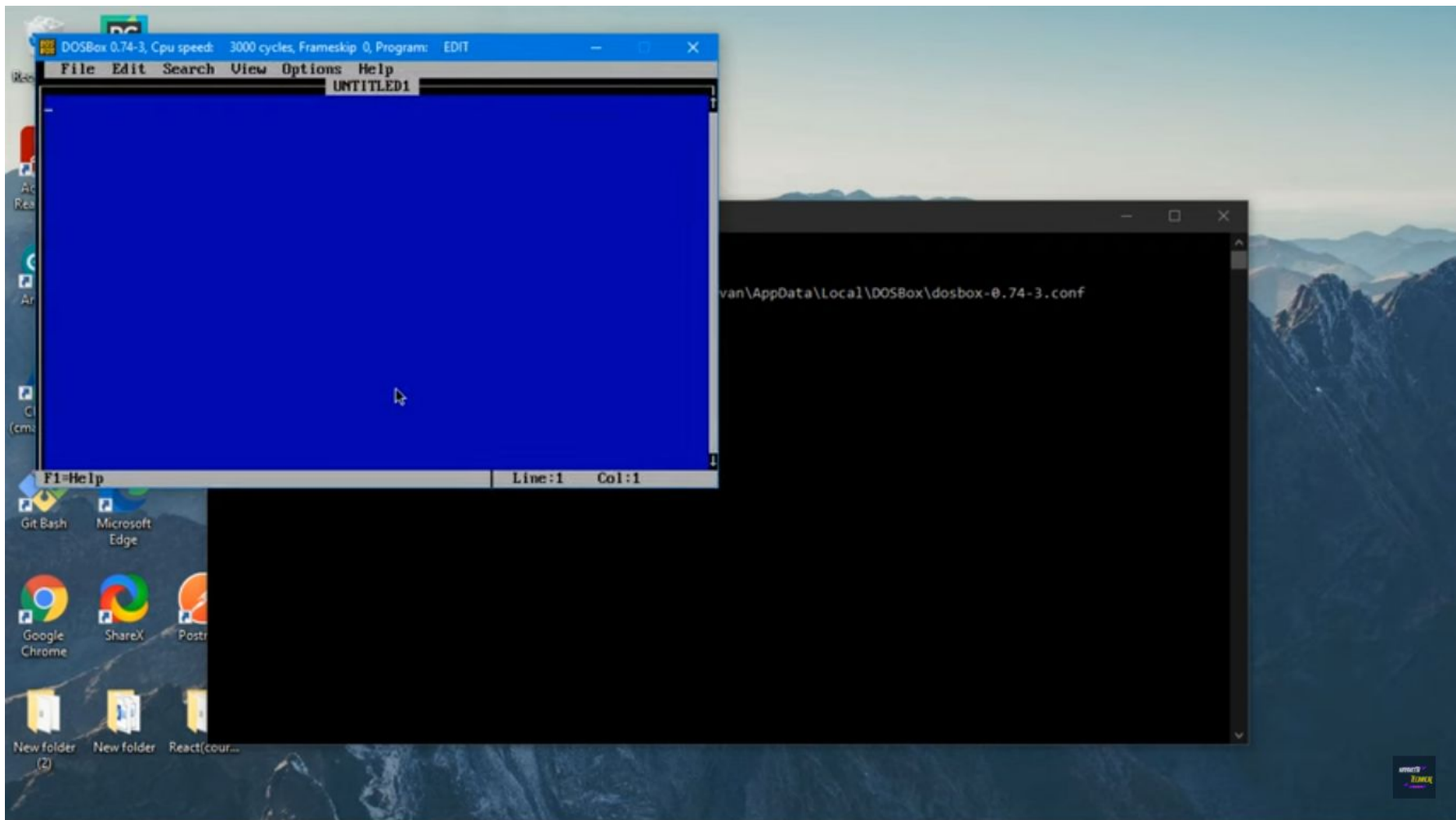
Taskbar icons: File Explorer, Chrome, Edge, Word, etc.

System tray: Volume, Network, Language, Date/Time (11:11, 21-08-2025)

Step 4 :- Open the DOSBox And write the commands

1. mount d d:\8086
2. d:\
3. edit (press enter)





If there is no d drive in pc

1. mount c c:\8086
2. c:\
3. edit sampleas,.asm (press enter)
4. Write the program in editor window
5. Save the program with **.asm** extension
6. Exit from editor window
7. Write in MS DOS prompt **MASM <File Name>.ASM**
8. Enter Four times enter key
9. Write in MS DOS Prompt **LINK <File NAME>.OBJ.**
10. Enter Four times enter key
11. Write in MS DOS Prompt **DEBUG <File NAME>.EXE.**
12. Press **U**.
13. Press **T**.
14. Press **G**.
15. Press **Q**.
16. Press **EXIT**