DOSBox Tutorial

To understand how DOSBox work let's consider our favourite "hello.asm" program. We will need only three tools in this tutorial.

DOSBOX: DOSBox is an emulator program that emulates an IBM PC compatible computer running a DOS operating system.

Turbo Assembler (TASM): it's a computer assembler (software for program development) developed by Borland which runs on and produces code for 16- or 32-bit x86 MS-DOS or Microsoft Windows.

Text Editor: nodepad++ or any text editor

Instructions:

1. Copy and unzip "tasm.zip" to desktop

2. Copy the file named "hello.asm" in tasm folder. You can use notepad++ as text editor.

3. Download and install DOSBox from http://www.dosbox.com/download.php?main=1

4. Open DOSBox.

5. First we need to mount a folder or drive so that we can access that using DOSBox. Let's consider we want to mount the desktop as X drive.

> mount X C:\Users\Jony\Desktop\

6. Then we need to access that drive.

> X:

7. Now we need to enter the tasm folder.

> cd tasm

8. Then compile the "hello.asm" using TASM.EXE. This will create hello.obj

> tasm hello.asm

9. Now link the newly created .obj file using TLINK.EXE. This will create hello.exe

> tlink hello.obj

10. Then run the program. Just type

> hello

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