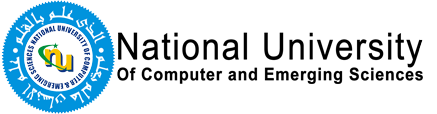
|  |
| --- |
| Dr. USMAN ABBASI |
| Computer Organizational and Assemble language-LAB |
| Lab manual-2 |

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| Armghan Ahmad | 20P0183  10/7/2021 |



**Lab manual 2**

Objectives:

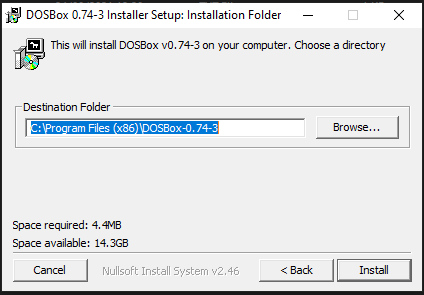
In this lab we had installed DOSBOX and NASM. We had also seen how we mount our drive. We also write a piece of code and debug it using nasm.

Step 1:

We download the software softweres.PNG

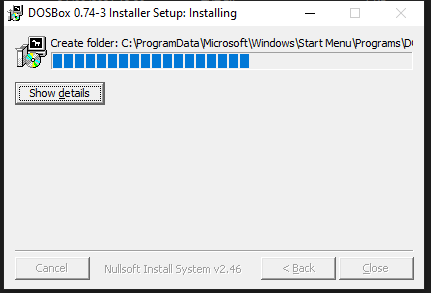
Step2:

Then we install the setup of **DOSBOX a**nd set the destination Folder.

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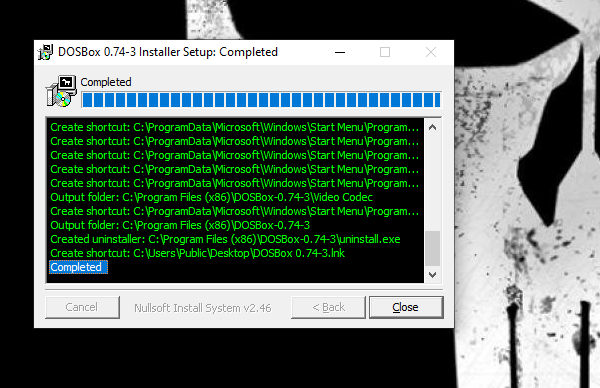
Step 3:

It will took few min or sec depending on system.



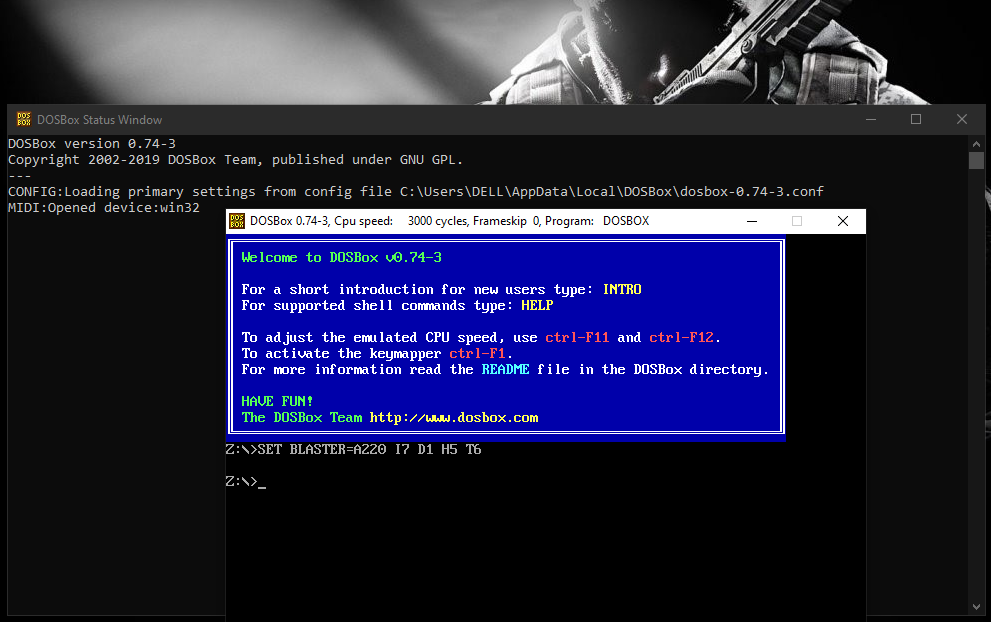
Step4:

After **DOSBOX** has successfully installed we will see shortcut icon on the Desktop.



Step 5:

**DOSBOX** interface.

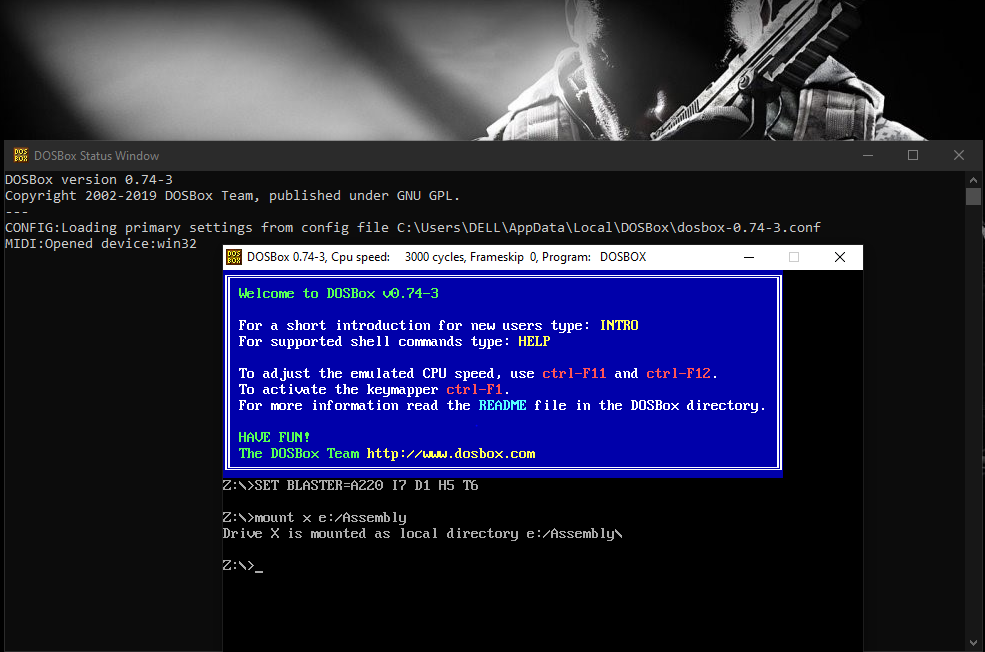


Step 6:

Mounting X as local directory. By typing “mount X home:/directory name”. e.g.:

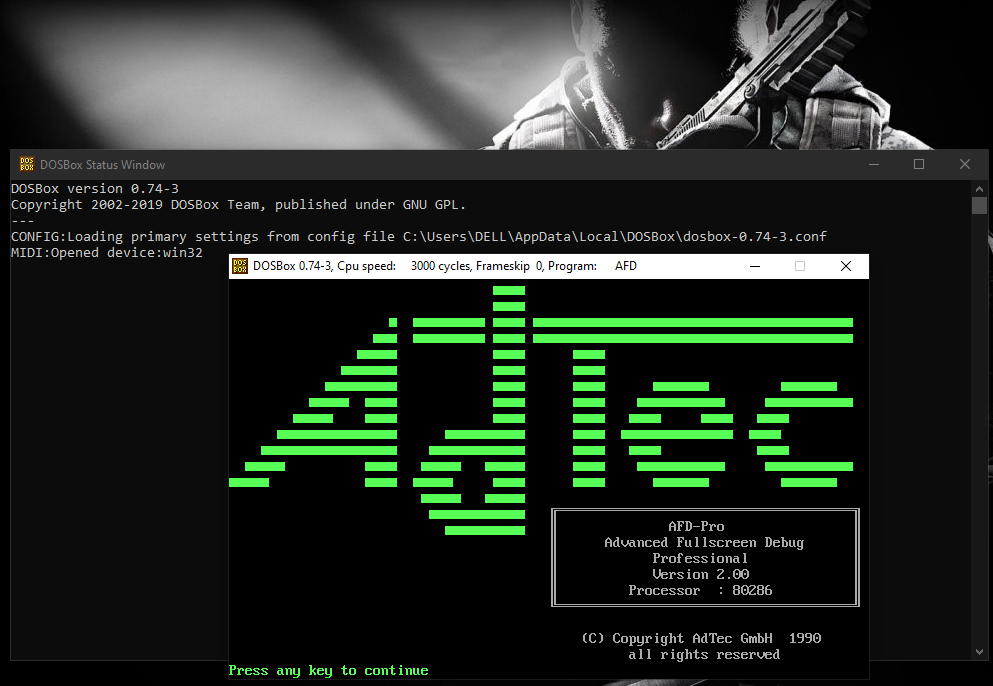
mount x e:/Assembly

Our X is mounted as local directory successfully



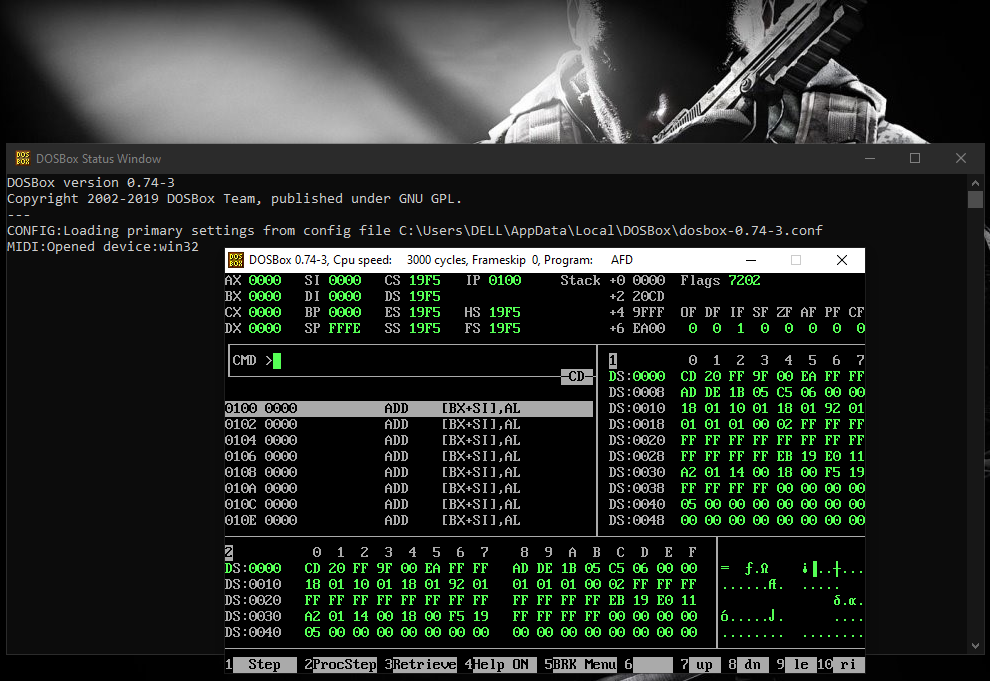
Step 7:

After the directory has mounted we will type **afd** for debugging.



Step 8:

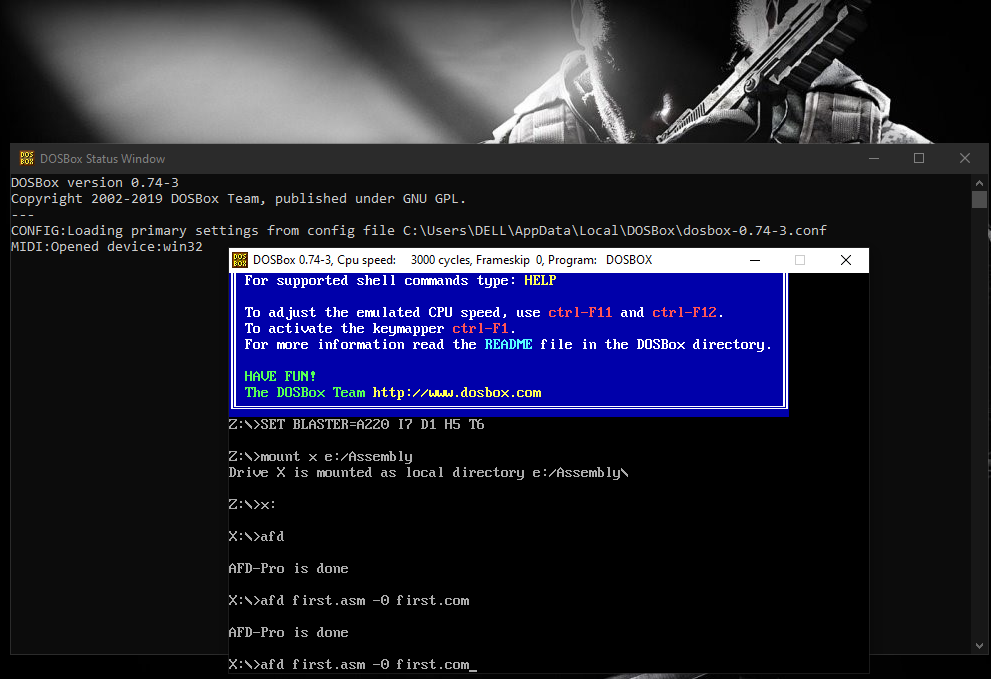
Debugging interface is



Step 9:

Now we will write the code in a file and then we will save the file as “.asm”. After that “.com”

Will be created. So the and we then simply type “afd file\_name.asm –o file\_name.com”



Step 10:

Debugging interface of the file is by just clicking “**F1**” and the commands will be run.

