Basic DOSbox Installation — Windows

Install DOSbox

Download installer from `http://www.dosbox.com/` or course website
Run `DOSBox0.74-win32-installer.exe`

Run DOSbox

Window opens with DOS command line interface (CLI)
Default directory is root of drive Z
Provides DOS prompt `Z:\`
DOSbox Configuration file created automatically on first run of DOSBox

Exit DOSbox

Type `exit <enter>` at command line

Add assembly directories

Create folder in Windows to act as virtual DOS drive
Example: `D:\dos\c`
Download `asm_bin.zip` from course website
Archive contains 16-bit NASM assembler program and DOS utilities
Extract files into `bin` subdirectory of virtual DOS drive
Example: `D:\dos\c\bin`

Edit configuration file in Windows

Click Start —> DOSBox-0.74 —> Options —> DOSBox-0.74 Options
Configuration file opens in Notepad
Find section `[autoexec]` at end of file
Add the following lines
```
# match following lines to virtual DOS drive and bin
mount c D:\dos\c
set path=%path%;c:\bin
ver set 6
c:
```

Run DOSbox again

Window opens with DOS command line interface (CLI)
Default directory is root of drive C
Provides DOS prompt `C:\`
Path set to `z:\;c:\bin`

Basic DOSbox Installation — Ubuntu/Debian Linux

Install DOSbox

Ubuntu/Debian Linux
```
sudo apt-get install dosbox
```

Run DOSbox

Window opens with DOS command line interface (CLI)
Default directory is root of drive Z
Provides DOS prompt `Z:\`

DOSbox Configuration file

Type `Z:\config -writeconfig <enter>` at DOSbox prompt
File `dosbox.confdosbox.conf` appears in Linux user home directory

Exit DOSbox

Type `exit <enter>` at command line

Add assembly directories

Create folder in Linux to act as virtual DOS drive
Example: `~/dos/c`
Download `asm_bin.zip` from course website
Archive contains 16-bit NASM assembler program and DOS utilities
Extract files into `bin` subdirectory of virtual DOS drive
Example: `~/dos/c/bin`

Edit configuration file in Linux

Edit `~/dosbox.confdosbox.conf`
Find section `[autoexec]` at end of file
Add the following lines
```
# match following lines to virtual DOS drive and bin
mount c ~/dos/c
set path=%path%;c:\bin
ver set 6
c:
```

Run DOSbox again

Window opens with DOS command line interface (CLI)
Default directory is root of drive C
Provides DOS prompt `C:\`
Path set to `z:\;c:\bin`