

1. How to run SNOBOL on Windows (32 bit Systems)

1) Download the Compiler from VU-LMS

<http://vulms.vu.edu.pk/Courses/CS508/Downloads/snobol4.zip>

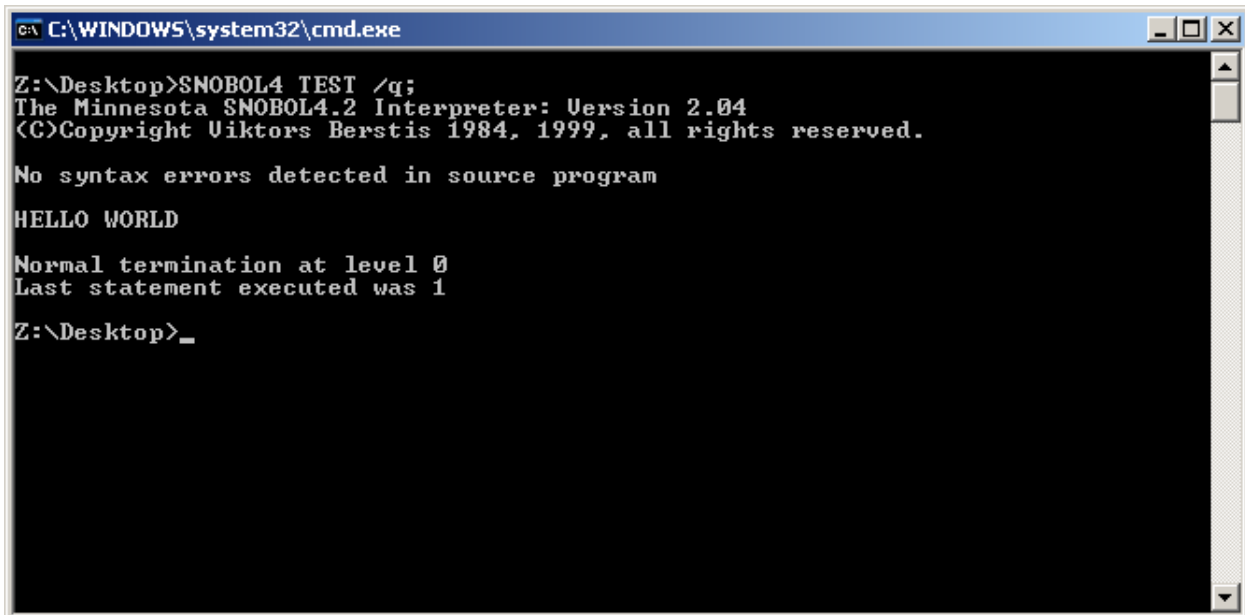
2) Extract the file **snobol4.exe** (e.g. I have extracted the file in desktop folder in my Z drive)

3) Download the sample code file from **TEST.SNO** VU-LMS **(It is simple text file you can view and edit in notepad)**<http://vulms.vu.edu.pk/Courses/CS508/Downloads/TEST.SNO> or

<http://vulms.vu.edu.pk/Courses/CS508/Downloads/TEST.ZIP>

4) Put the **TEST.SNO** in the same directory where **snobol4.exe** is

5) Enter the following command **SNOBOL4 TEST /q;** you will see the output of the program if there is no error.



```
C:\WINDOWS\system32\cmd.exe
Z:\Desktop>SNOBOL4 TEST /q;
The Minnesota SNOBOL4.2 Interpreter: Version 2.04
(C)Copyright Viktors Berstis 1984, 1999, all rights reserved.

No syntax errors detected in source program

HELLO WORLD

Normal termination at level 0
Last statement executed was 1

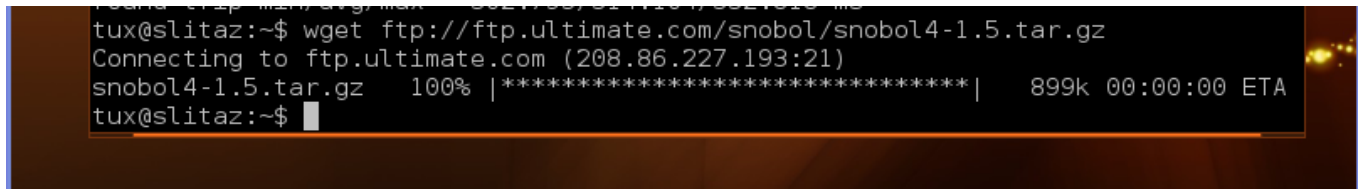
Z:\Desktop>_
```

2. How to run SNOBOL on Ubuntu

1) Open the COMMAND Shell

2) Download the SNOBOL4 from <ftp://ftp.ultimate.com/snobol/snobol4-1.5.tar.gz> using wget command

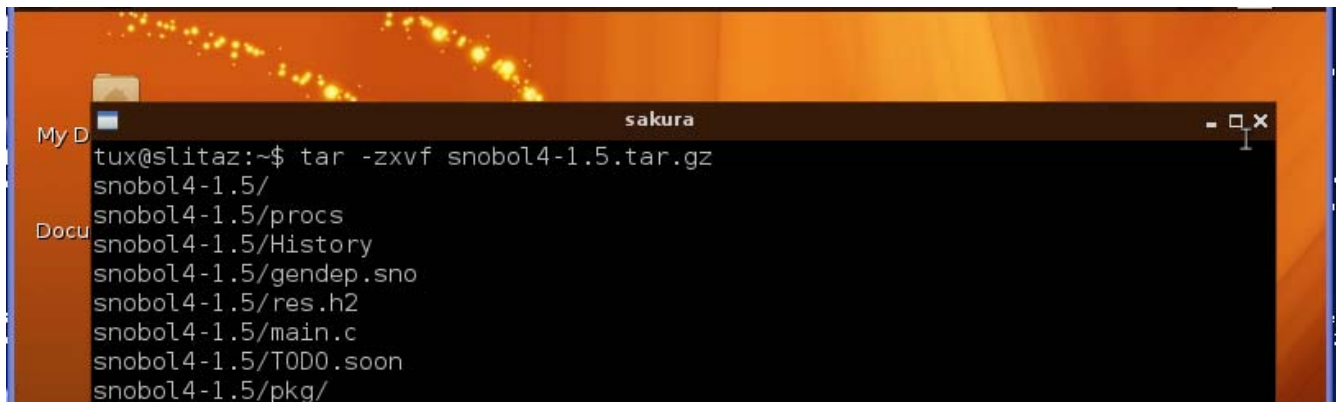
wget <ftp://ftp.ultimate.com/snobol/snobol4-1.5.tar.gz>



```
tux@slitaz:~$ wget ftp://ftp.ultimate.com/snobol/snobol4-1.5.tar.gz
Connecting to ftp.ultimate.com (208.86.227.193:21)
snobol4-1.5.tar.gz 100% |*****| 899k 00:00:00 ETA
tux@slitaz:~$
```

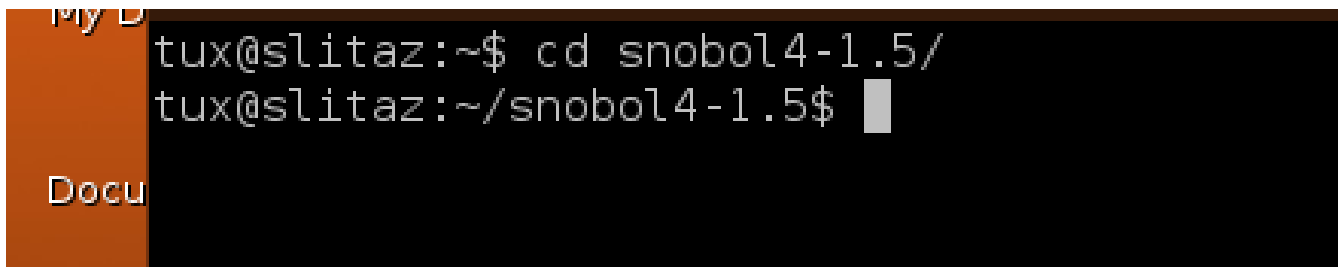
3) extract the contents of the gz file using the command

```
tar -zxvf snobol4-1.5.tar.gz
```



```
tux@slitaz:~$ tar -zxvf snobol4-1.5.tar.gz
snobol4-1.5/
snobol4-1.5/procs
snobol4-1.5/History
snobol4-1.5/gendep.sno
snobol4-1.5/res.h2
snobol4-1.5/main.c
snobol4-1.5/TOD0.soon
snobol4-1.5/pkg/
```

4) Change directory to snobol4-1.4



```
tux@slitaz:~$ cd snobol4-1.5/
tux@slitaz:~/snobol4-1.5$
```

5) then you will need to install m4 package , you can do this by using

```
sudo apt-get install m4
```

6) After that build the SNOBOL4 using make

```
sudo make install
```

7) Type SNOBOL4 to verify the installation

snobol4

8) Then give the command to interpret you code

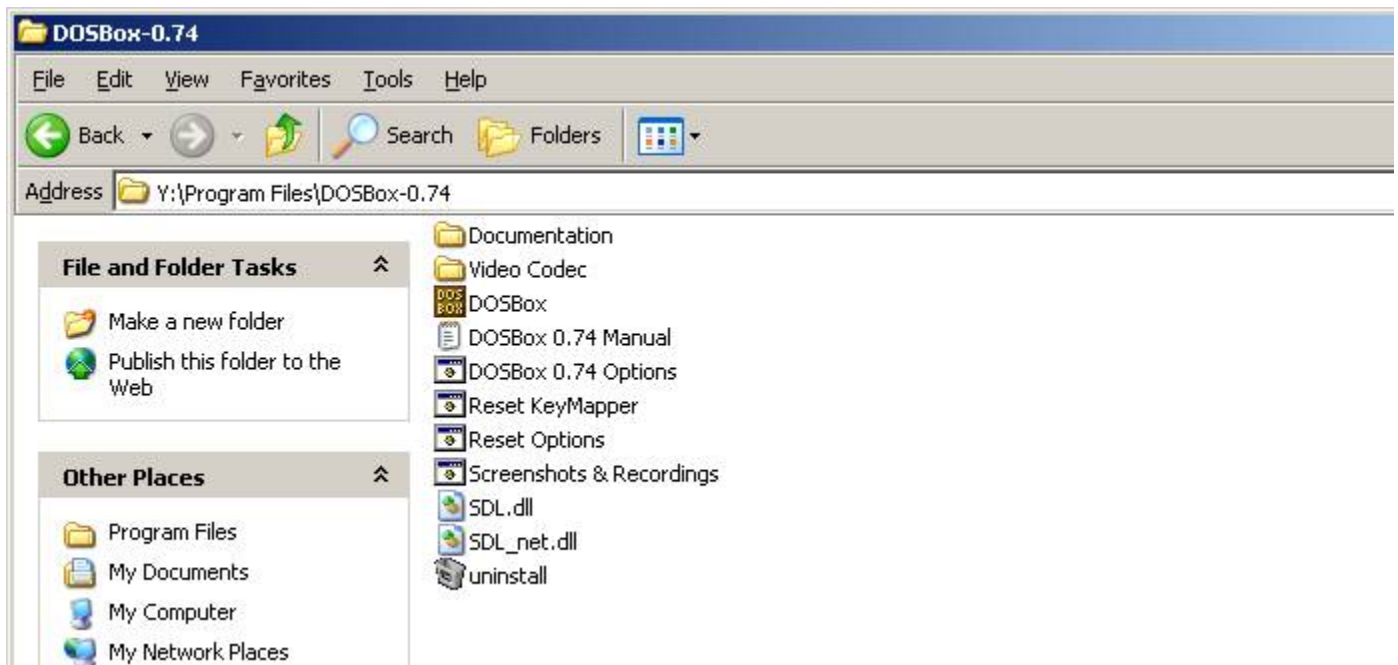
SNOBOL4 test /q

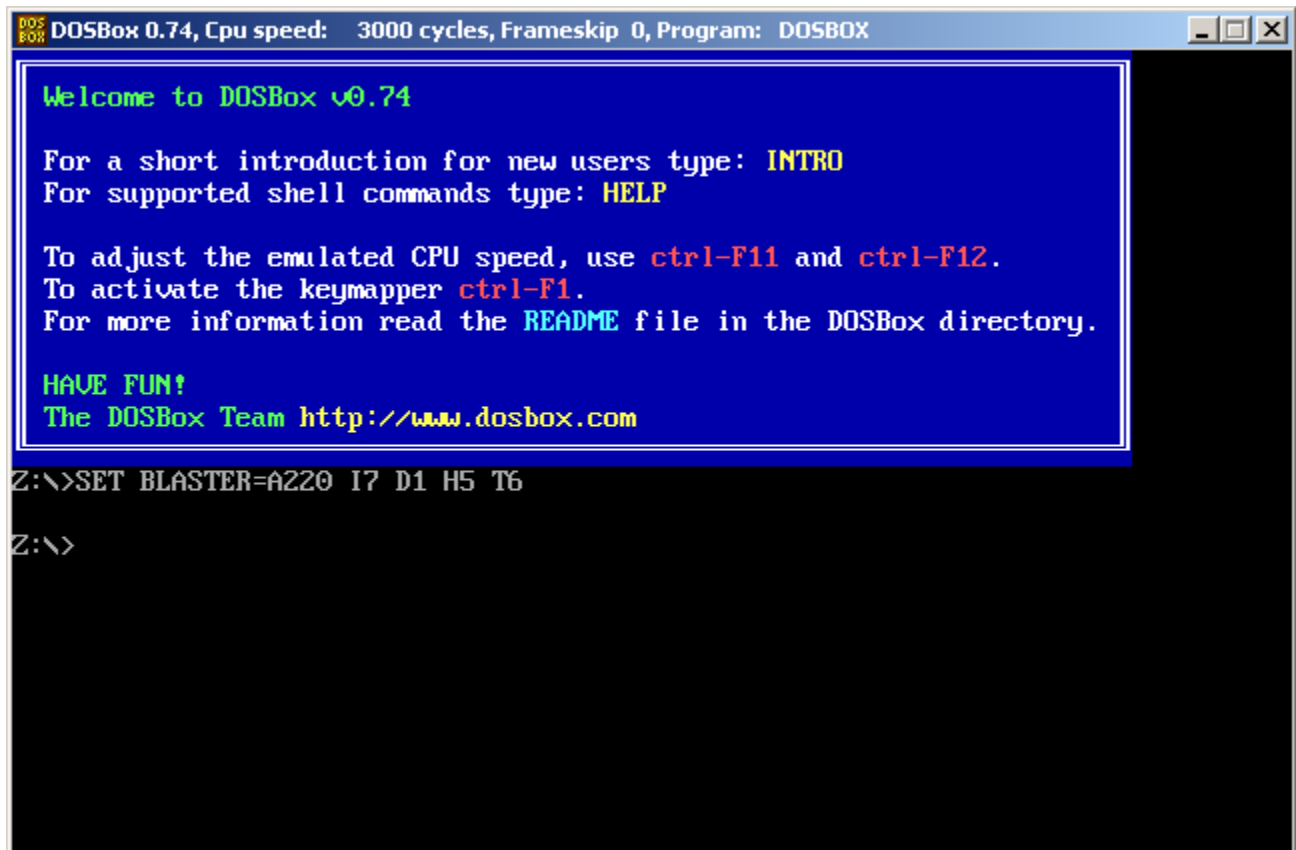
3. Running SNOBOL on Windows (64 bit Systems)

You can use DOSBOX to execute SNOBOL4.exe on 64bit windows machines, download it from <http://vulms.vu.edu.pk/Courses/CS508/Downloads/DOSBox-0.74.zip> ,

Here are the steps:

1) After extracting run DOSBox.exe, A Command prompt will appear ,





DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

```
Welcome to DOSBox v0.74
For a short introduction for new users type: INTRO
For supported shell commands type: HELP

To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.

HAVE FUN!
The DOSBox Team http://www.dosbox.com
```

```
Z:\>SET BLASTER=A220 I7 D1 H5 T6
Z:\>
```

2) On this command prompt Mount the directory which contains SNOBOL4.exe with mount command , as my SNOBOL4.exe in directory D:\CS508

Command will be mount C D:\CS508

```
DOS
BOX DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

Welcome to DOSBox v0.74

For a short introduction for new users type: INTRO
For supported shell commands type: HELP

To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.

HAVE FUN!
The DOSBox Team http://www.dosbox.com

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount C D:\CS508_
```

```
DOS
BOX DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

Welcome to DOSBox v0.74

For a short introduction for new users type: INTRO
For supported shell commands type: HELP

To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.

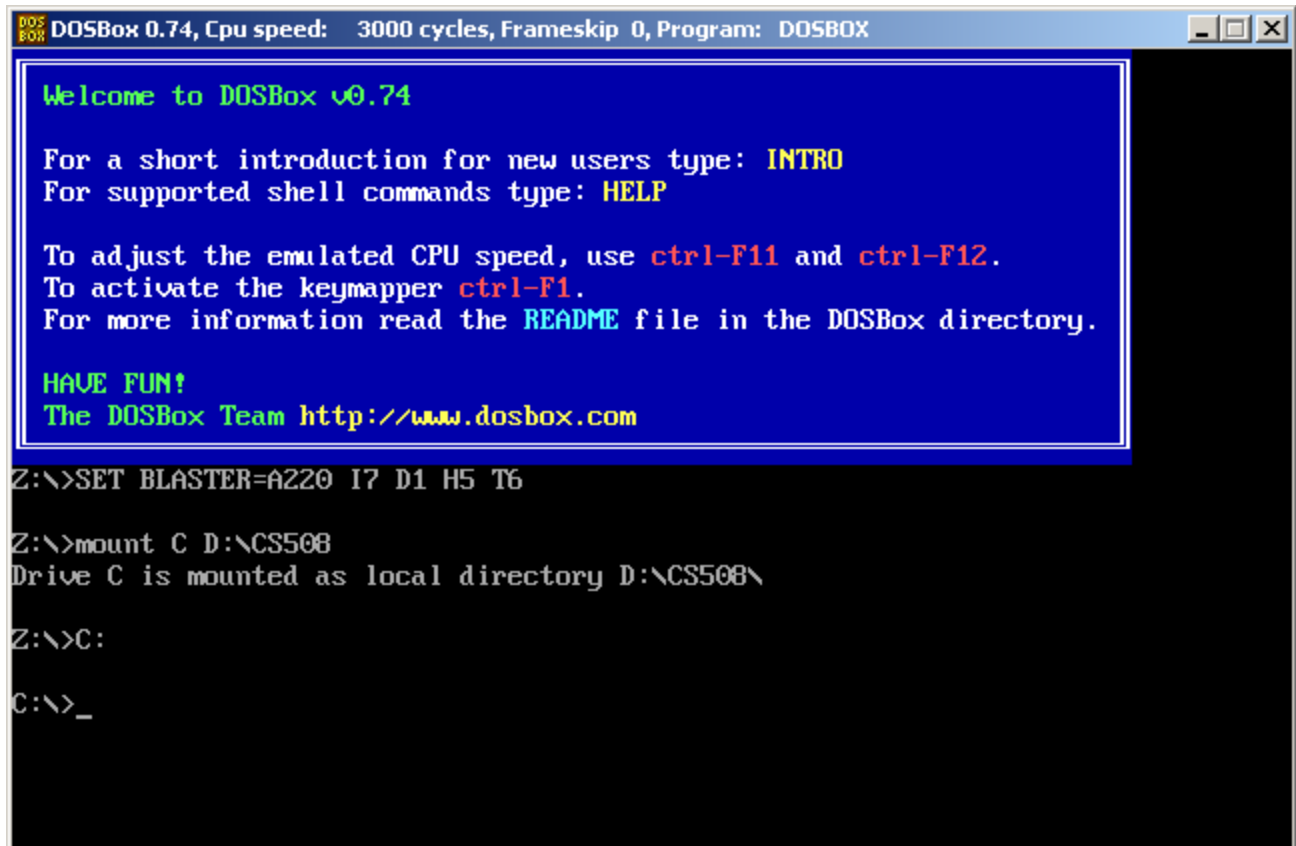
HAVE FUN!
The DOSBox Team http://www.dosbox.com

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount C D:\CS508
Drive C is mounted as local directory D:\CS508\

Z:\>_
```

3) No Change to C Drive with command C:



```
DOS BOX DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

Welcome to DOSBox v0.74

For a short introduction for new users type: INTRO
For supported shell commands type: HELP

To adjust the emulated CPU speed, use ctrl-F11 and ctrl-F12.
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.

HAVE FUN!
The DOSBox Team http://www.dosbox.com

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount C D:\CS508
Drive C is mounted as local directory D:\CS508\

Z:\>C:

C:\>_
```

4) Now navigate to the directory which your SNOBOL.exe is , then run the command to compile the code. You will use the command **SNOBOL4 TEST /q;** to compile the code. As shown below

```
DOSBOX DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
To activate the keymapper ctrl-F1.
For more information read the README file in the DOSBox directory.

HAVE FUN!
The DOSBox Team http://www.dosbox.com

Z:\>SET BLASTER=A220 I7 D1 H5 T6

Z:\>mount C D:\CS508
Drive C is mounted as local directory D:\CS508\

Z:\>C:

C:\>snobol4 test /q
The Minnesota SNOBOL4.2 Interpreter: Version 2.04
(C)Copyright Viktors Berstis 1984, 1999, all rights reserved.

No syntax errors detected in source program

HELLO WORLD

Normal termination at level 0
Last statement executed was 1

C:\>
```