

**Step 1:**



**N.B.:** Xming server should be always on

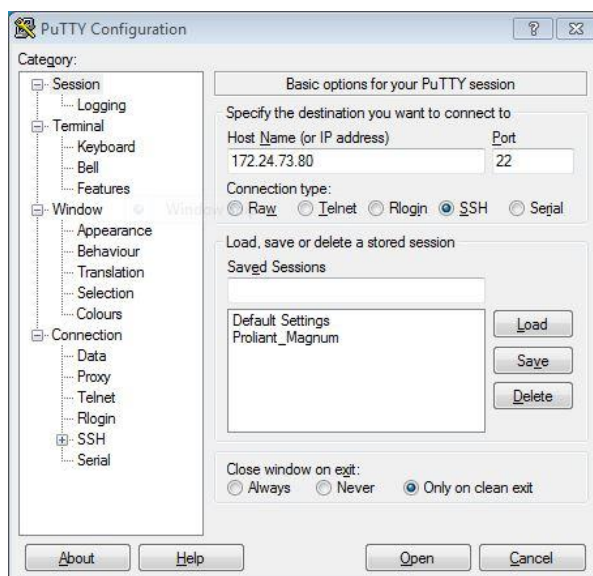
***Write the Program***

**Step 1:**



**Step 2:**

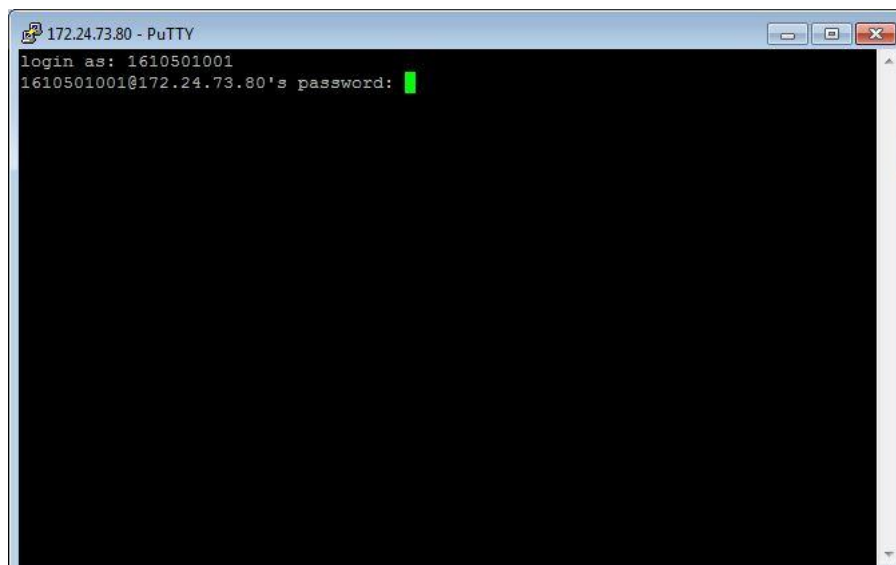
Give IP address as 172.24.73.80 and port no. as 22



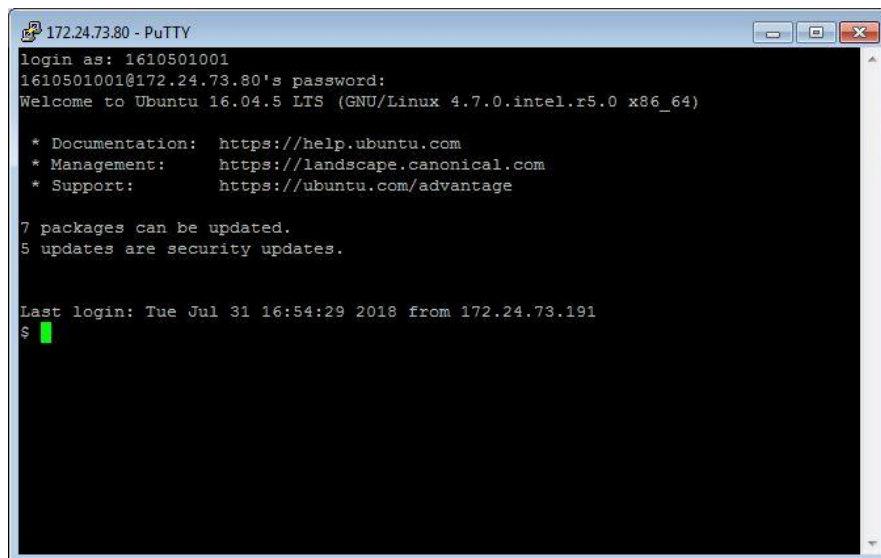
Click on *Open*

**Step 3:**

In *login as* : **Your Roll No.** and *password* : **user123**



After login, you will be greeted with this screen



```
172.24.73.80 - PuTTY
login as: 1610501001
1610501001@172.24.73.80's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.7.0.intel.r5.0 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

7 packages can be updated.
5 updates are security updates.

Last login: Tue Jul 31 16:54:29 2018 from 172.24.73.191
$
```

#### Step 4:

#### Write the program

```
$ cd masm
```

```
$ nano prog_name.asm
```

After saving the program, close the putty window.

#### Run the Program

##### Step 1:

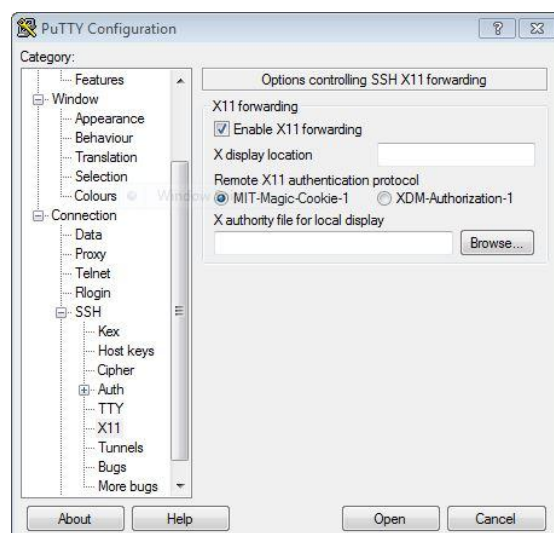
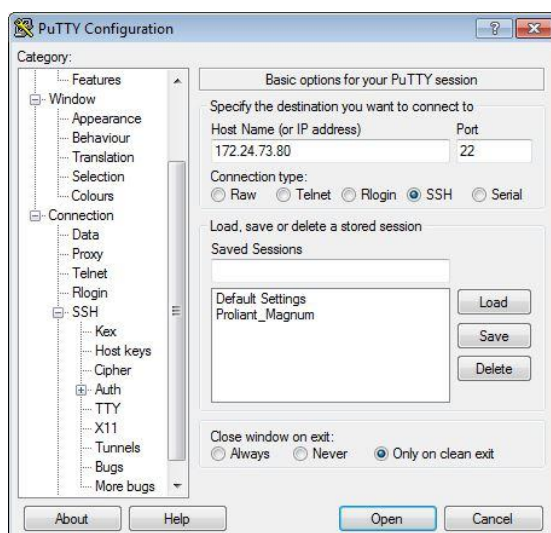


##### Step 2:

Give IP address as 172.24.73.80 and port no. as 22

On the left panel,

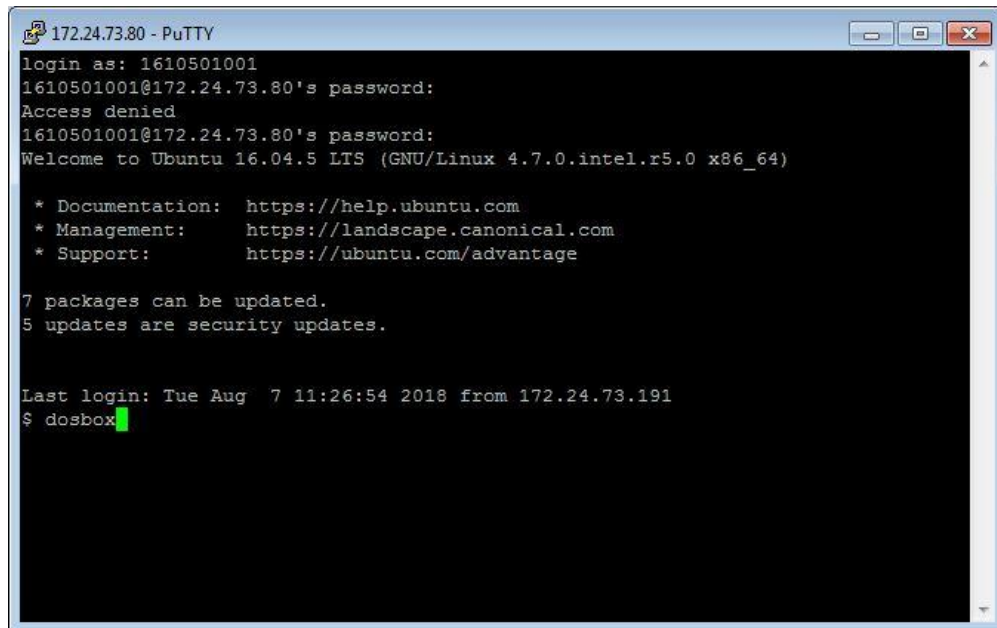
Connection → SSH → X11 → Enable X11 forwarding



### Step 3:

After logging in with your credentials, enter

\$ dosbox



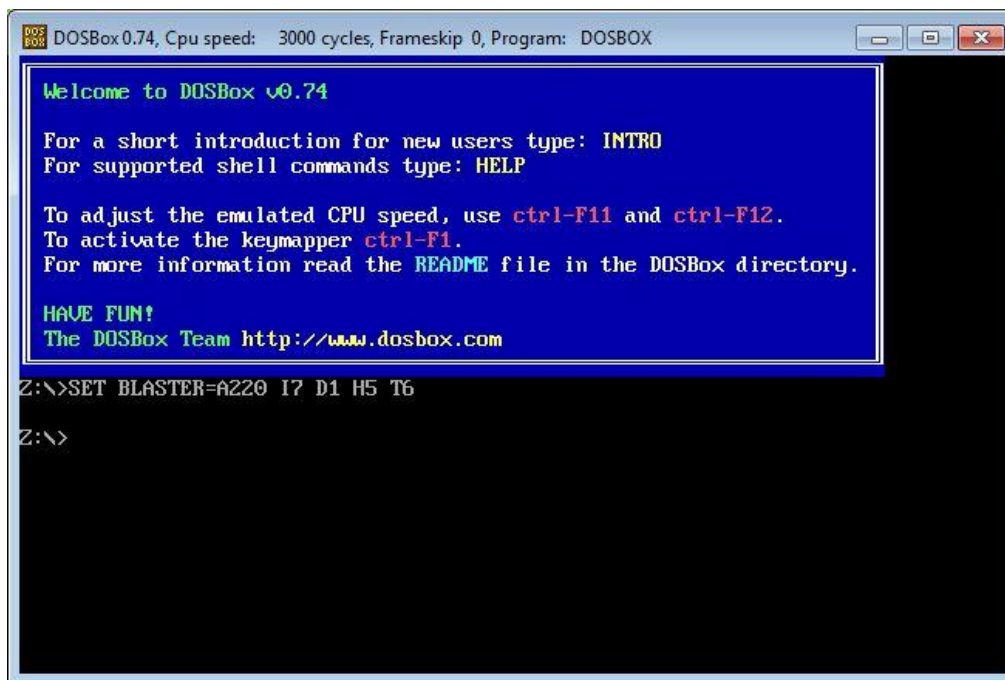
```
172.24.73.80 - PuTTY
login as: 1610501001
1610501001@172.24.73.80's password:
Access denied
1610501001@172.24.73.80's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.7.0.intel.r5.0 x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

7 packages can be updated.
5 updates are security updates.

Last login: Tue Aug  7 11:26:54 2018 from 172.24.73.191
$ dosbox
```

After this, you will be greeted with DOSBOX prompt



```
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

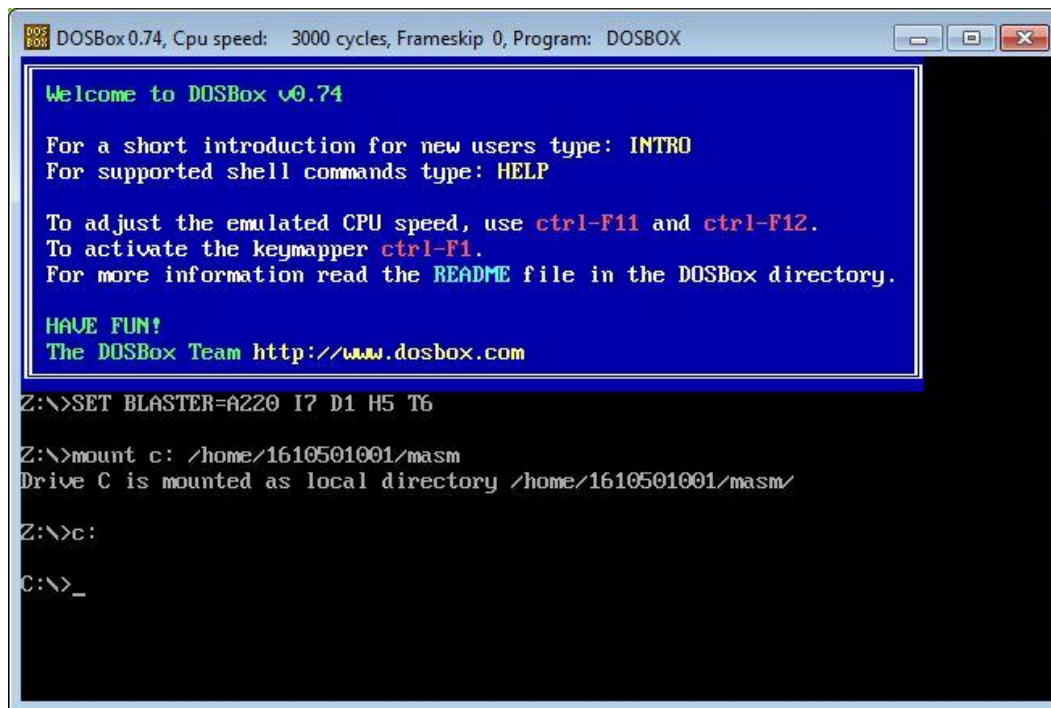
Z:\>
```

### Step 4:

In DOSBOX prompt, enter

Z:\> mount c: /home/your\_roll\_no/masm

Z:\> c:



The image shows a DOSBox 0.74 window. The title bar reads "DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX". The main window has a blue background with white text. A white box contains the following text: "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!", and "The DOSBox Team http://www.dosbox.com". Below this box, the command prompt shows "Z:\>SET BLASTER=A220 I7 D1 H5 T6", "Z:\>mount c: /home/1610501001/masm", and "Drive C is mounted as local directory /home/1610501001/masm/". The prompt then changes to "Z:\>c:" and finally "C:\>\_".

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

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

Z:\>mount c: /home/1610501001/masm
Drive C is mounted as local directory /home/1610501001/masm/

Z:\>c:

C:\>_
```

### Step 5:

Run the program, with MASM specific commands.