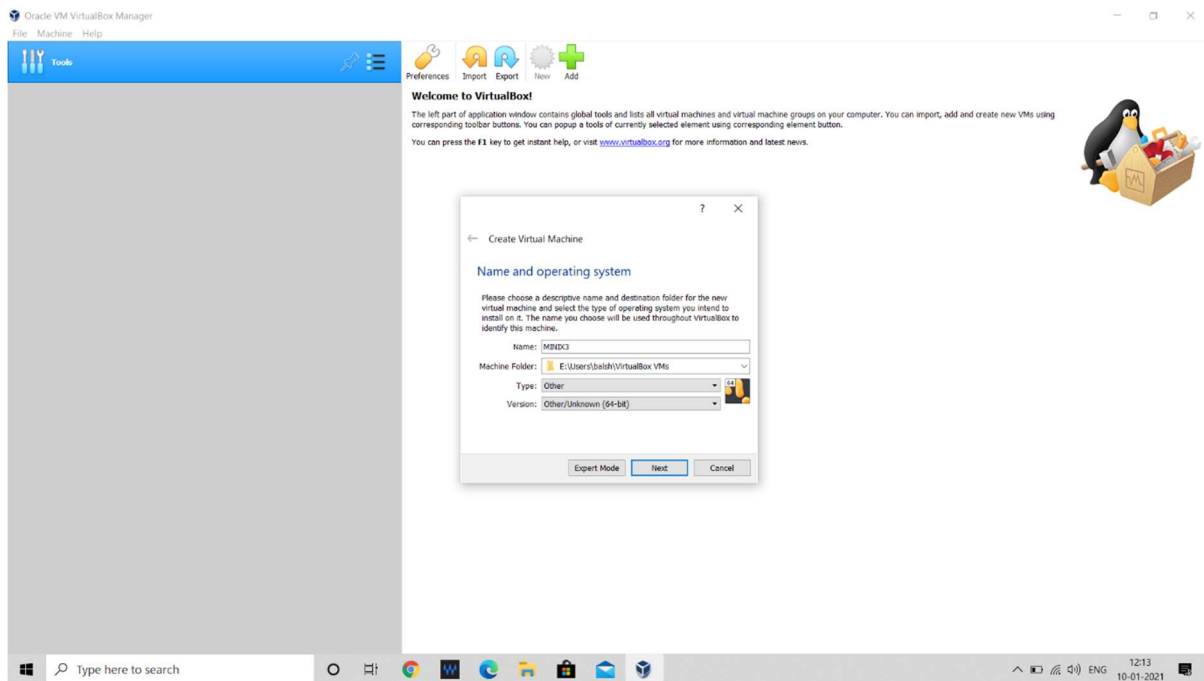


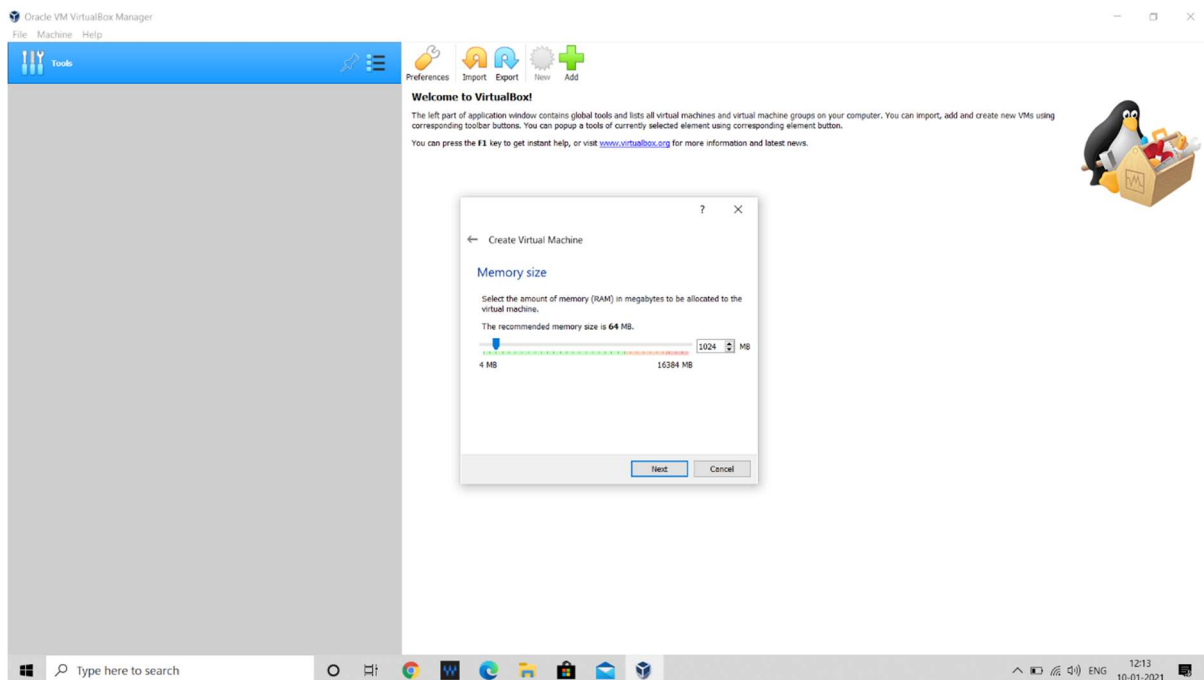
**180010008**

## **CS 314 – OS Lab1 Report**

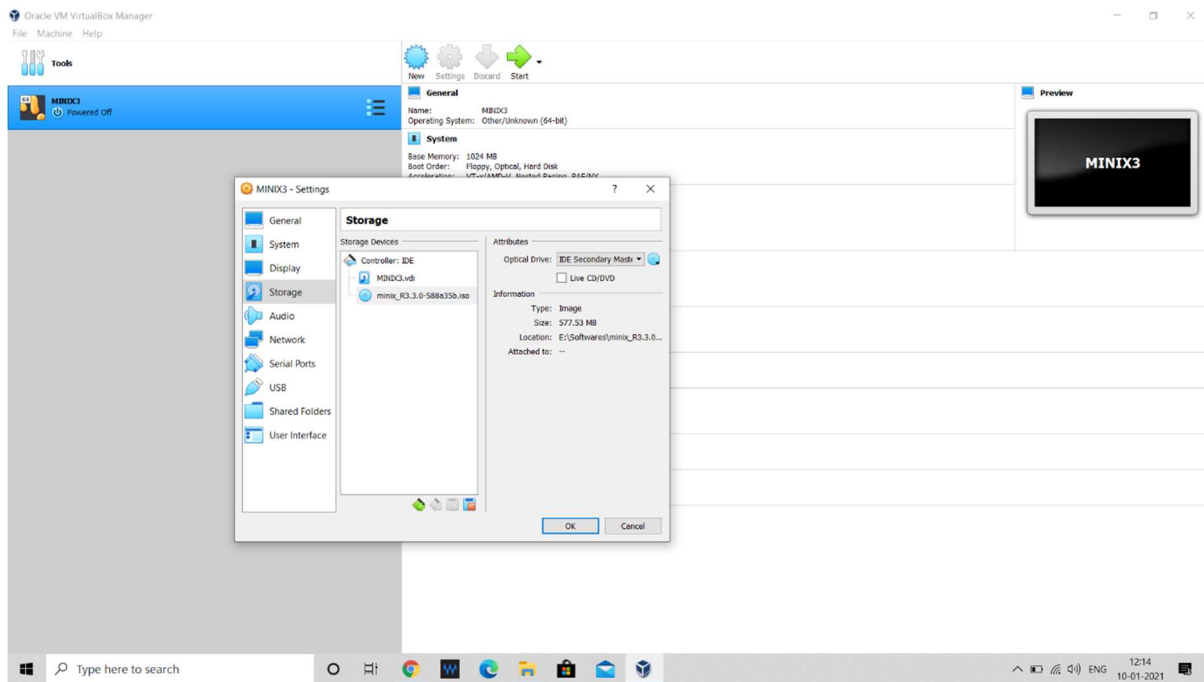
Following are steps of setup →



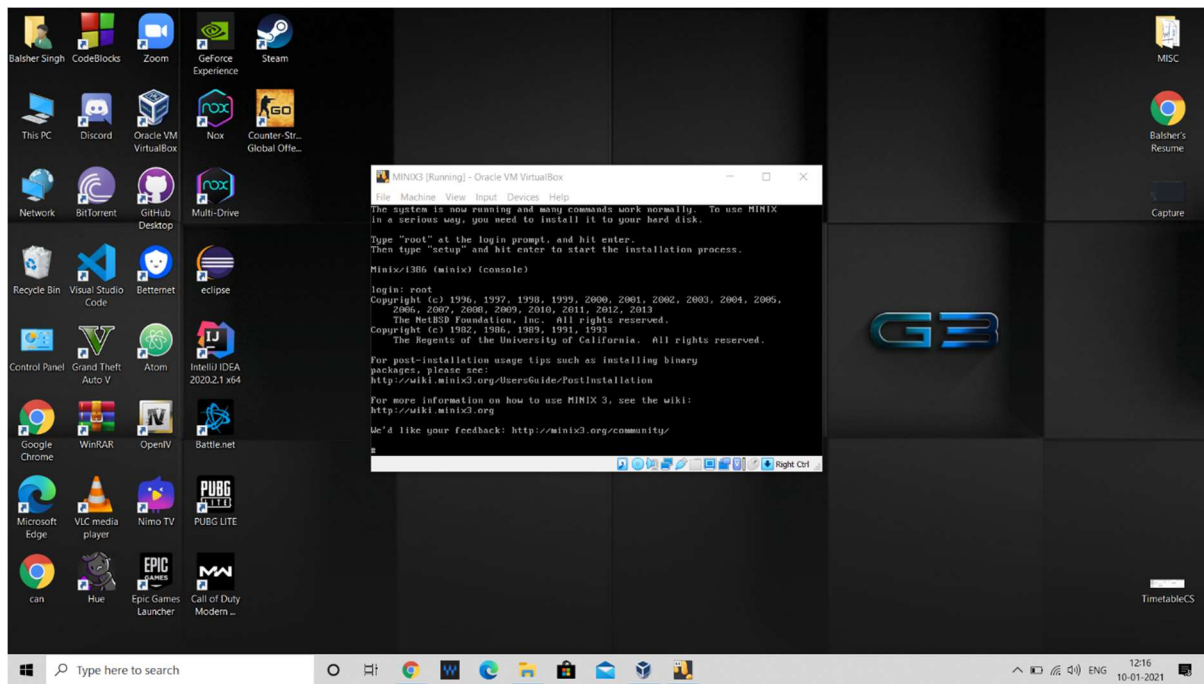
Creating new virtual machine



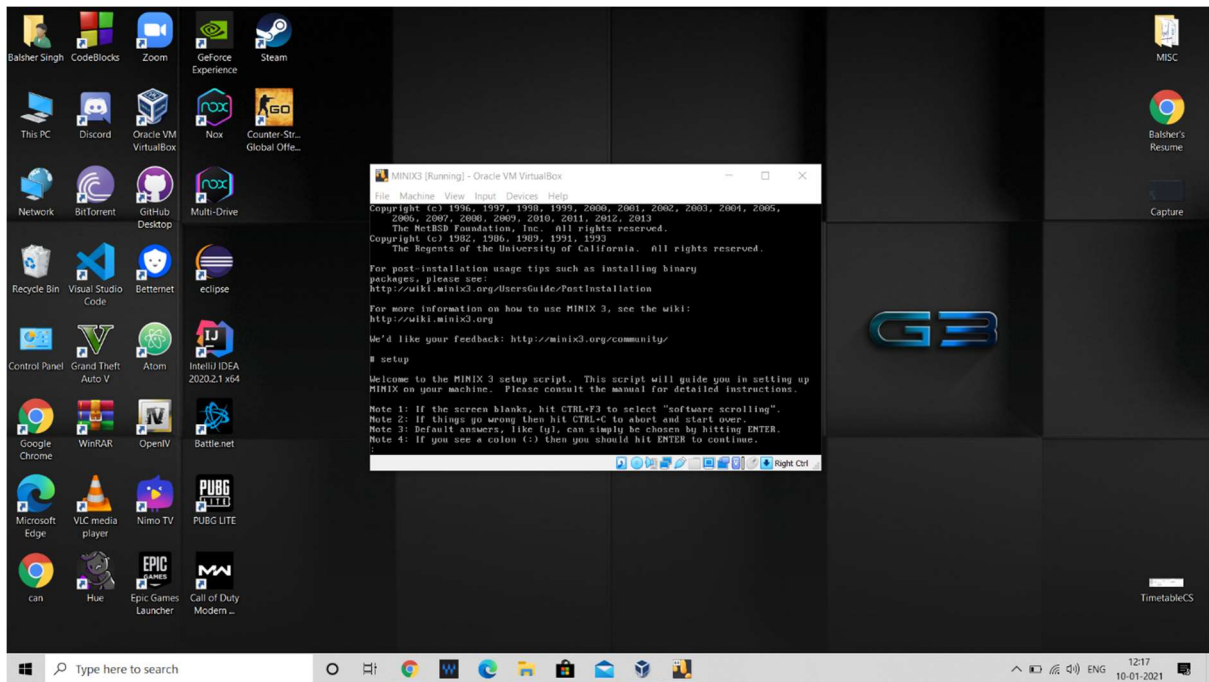
Selecting RAM for virtual machine.



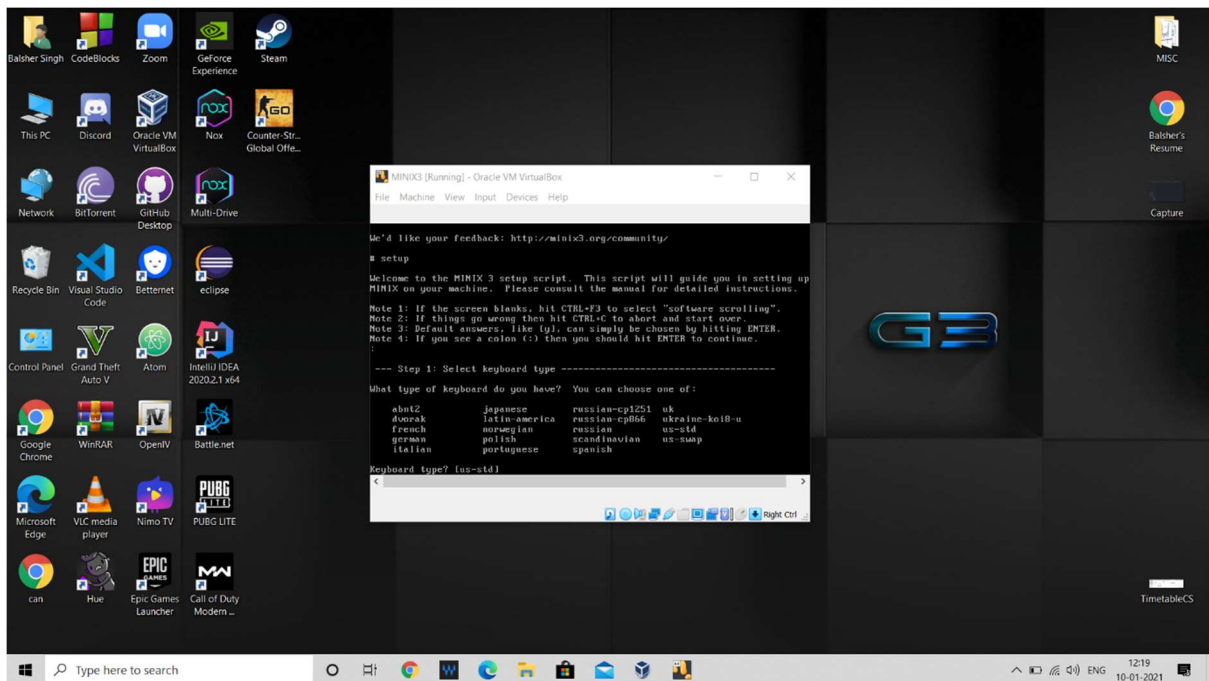
Adding minix3.iso file to virtual machine optical drive.



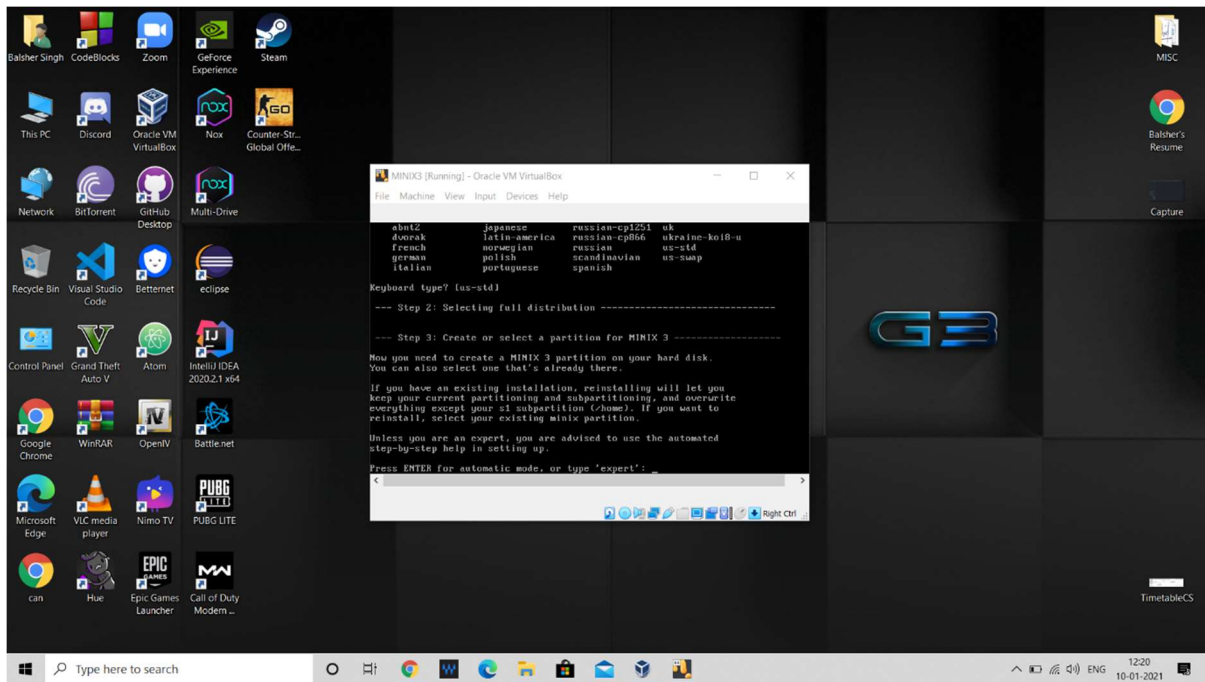
VBox successfully launched the iso file.



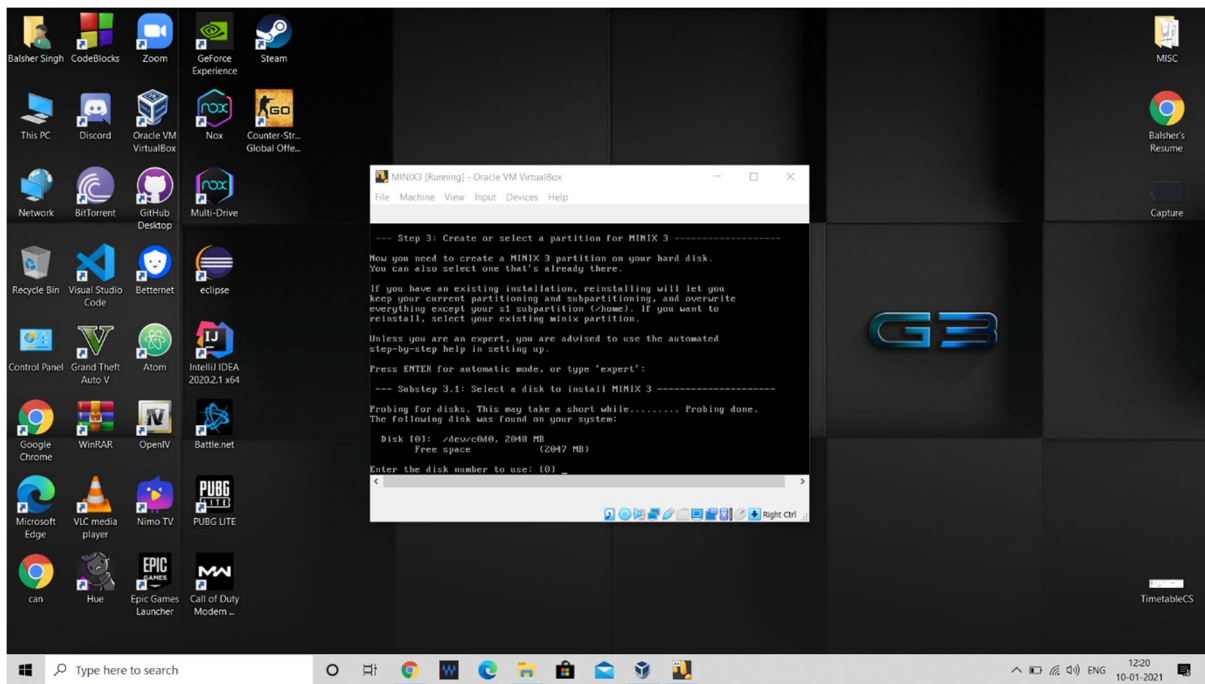
Entering Command 'setup' for starting minix3 setup.



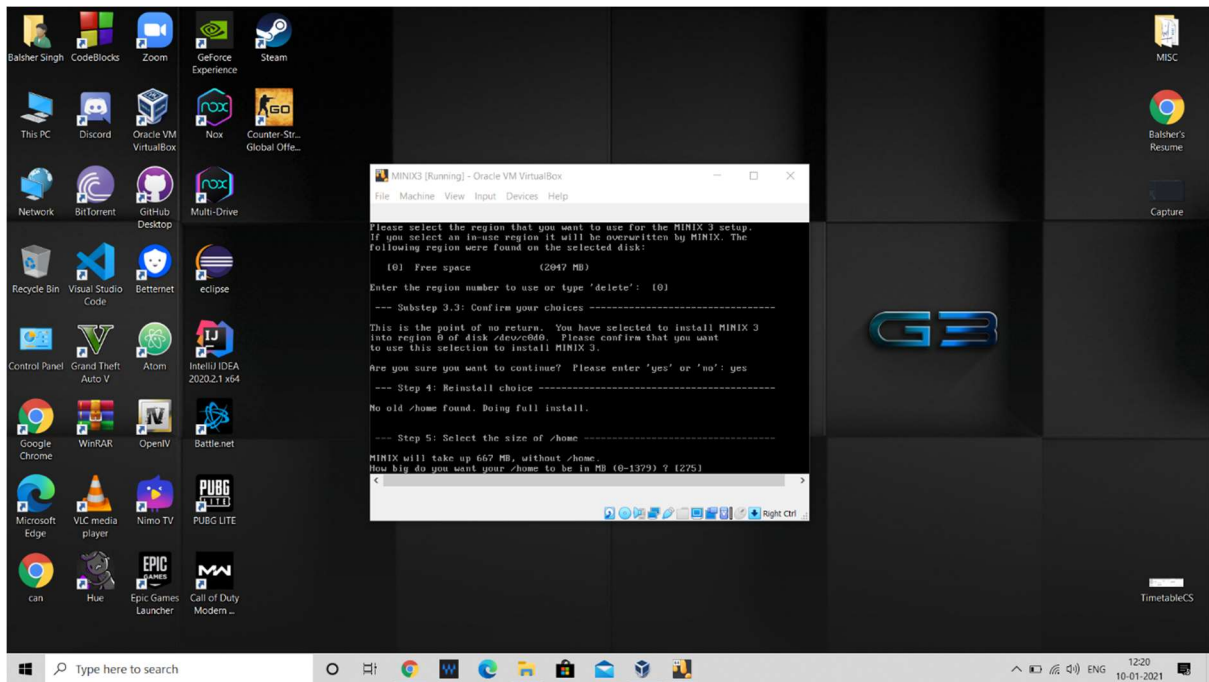
Selecting Language in setup of minix3.



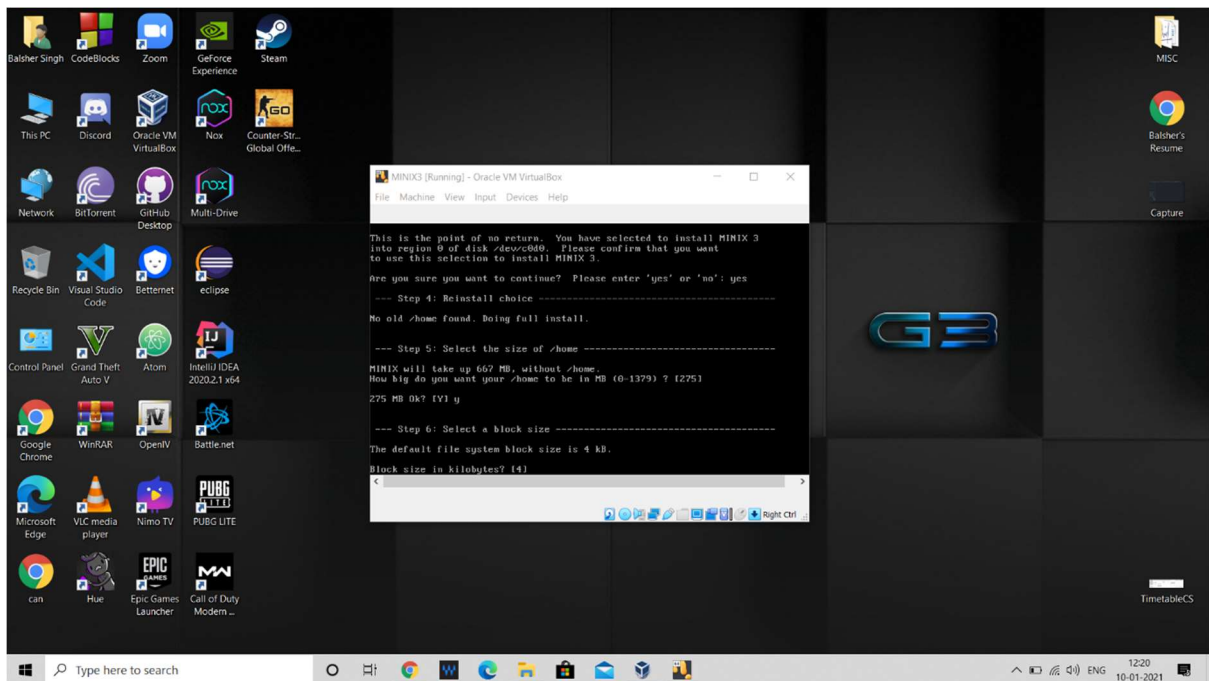
Selecting Automatic mode for setup of minix3.



Asking for disk to install minix3 onto that disk number.

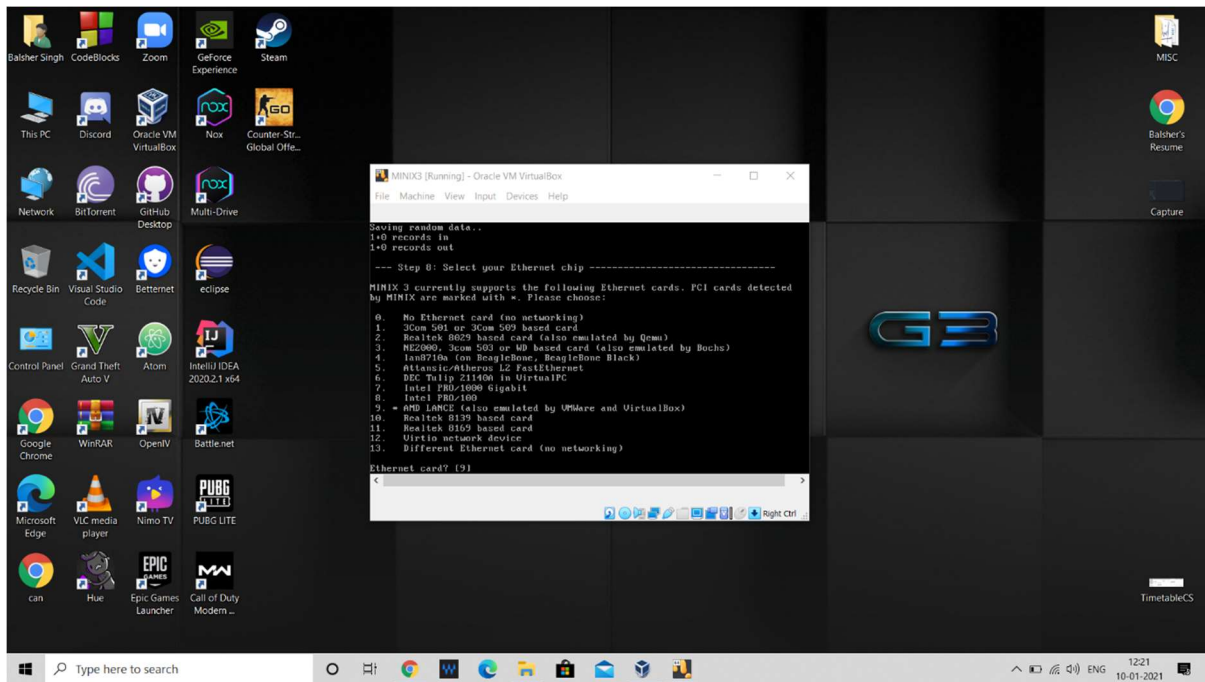


Selecting size of /home in minix3.

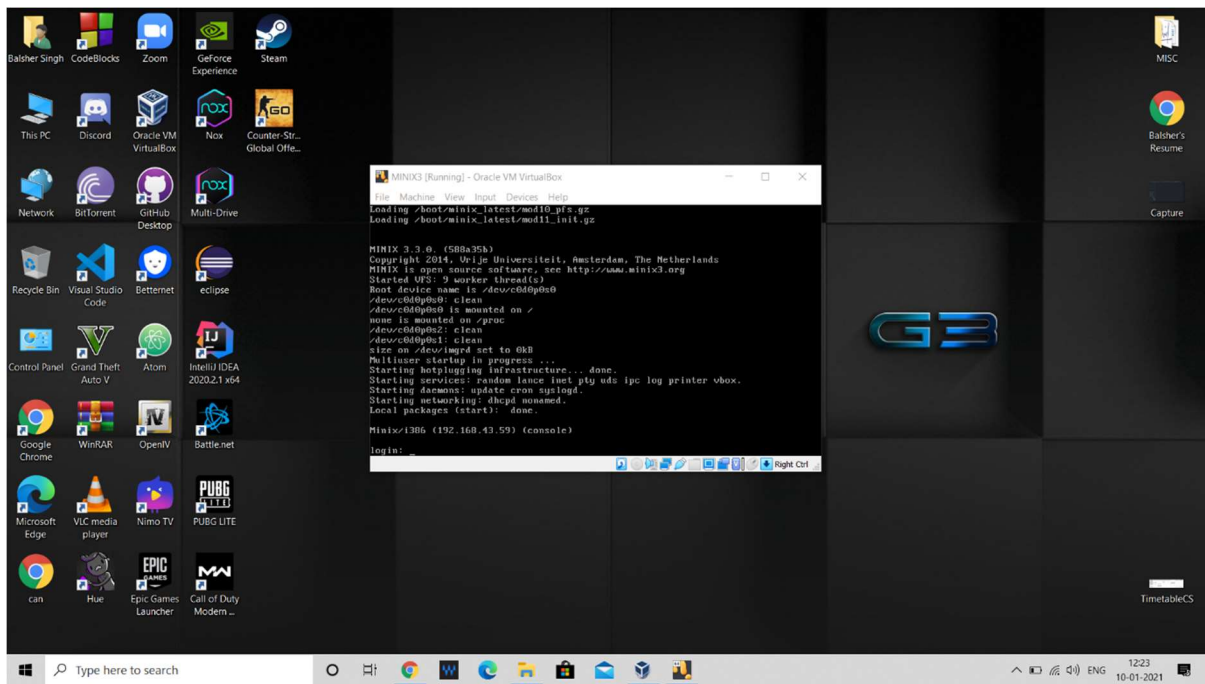


Selecting System Block size.

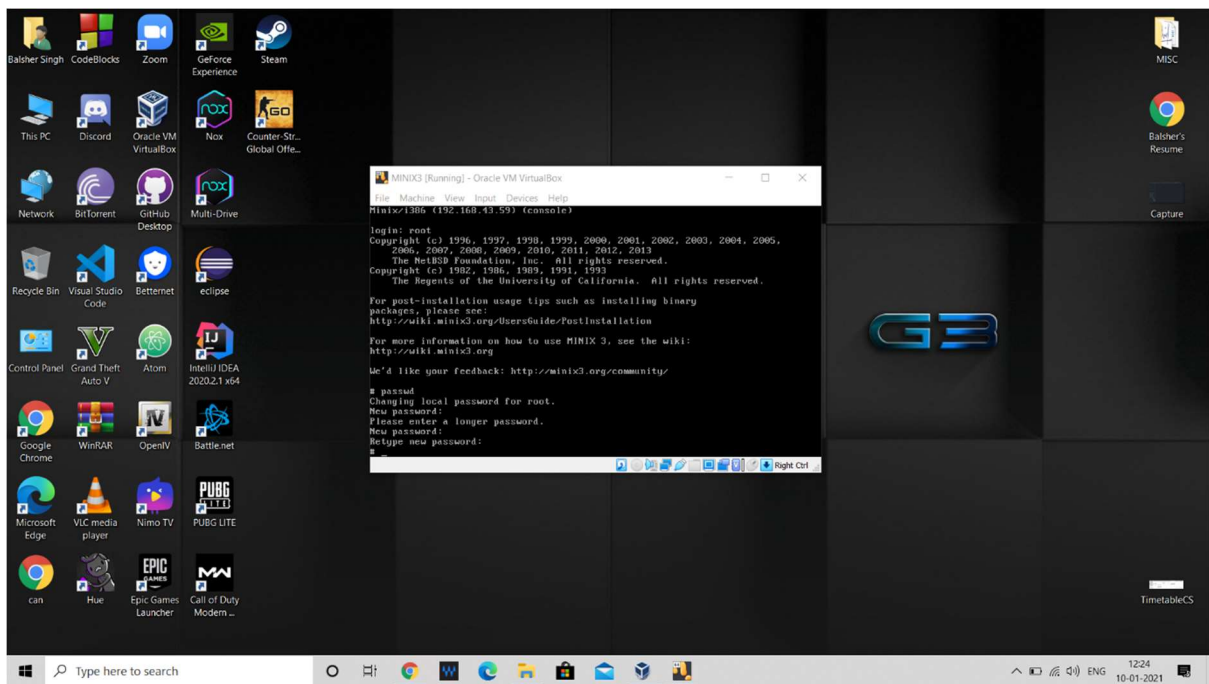




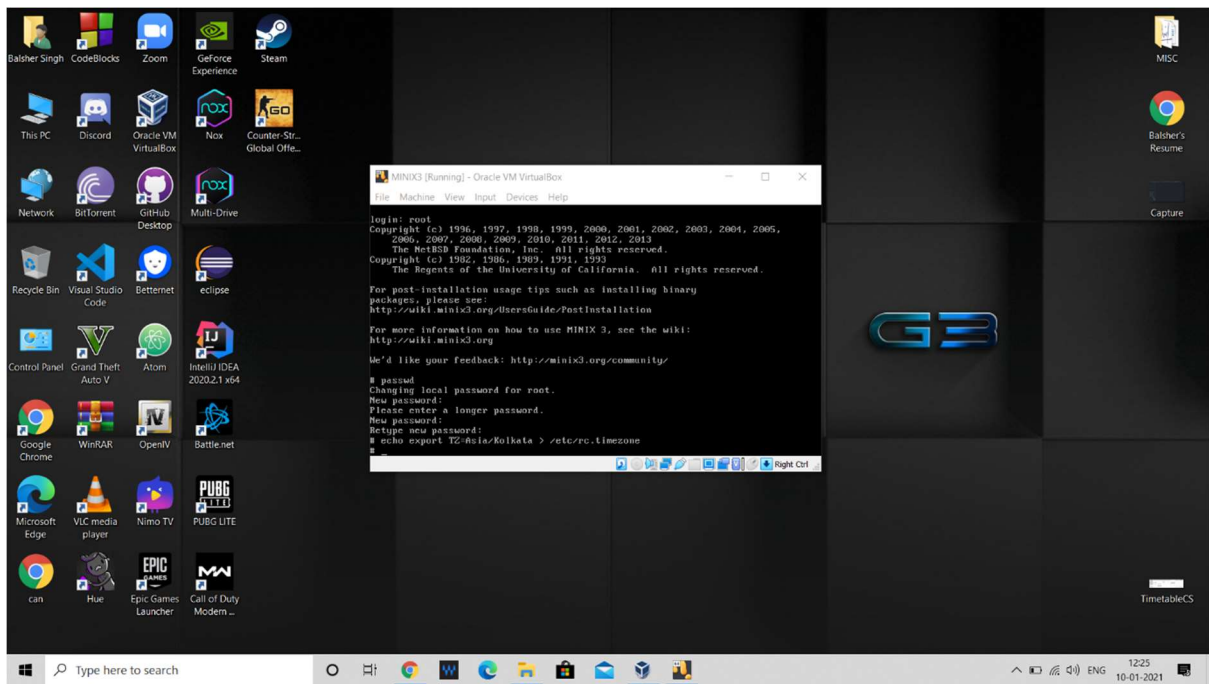
Asking for Ethernet card to be chosen.



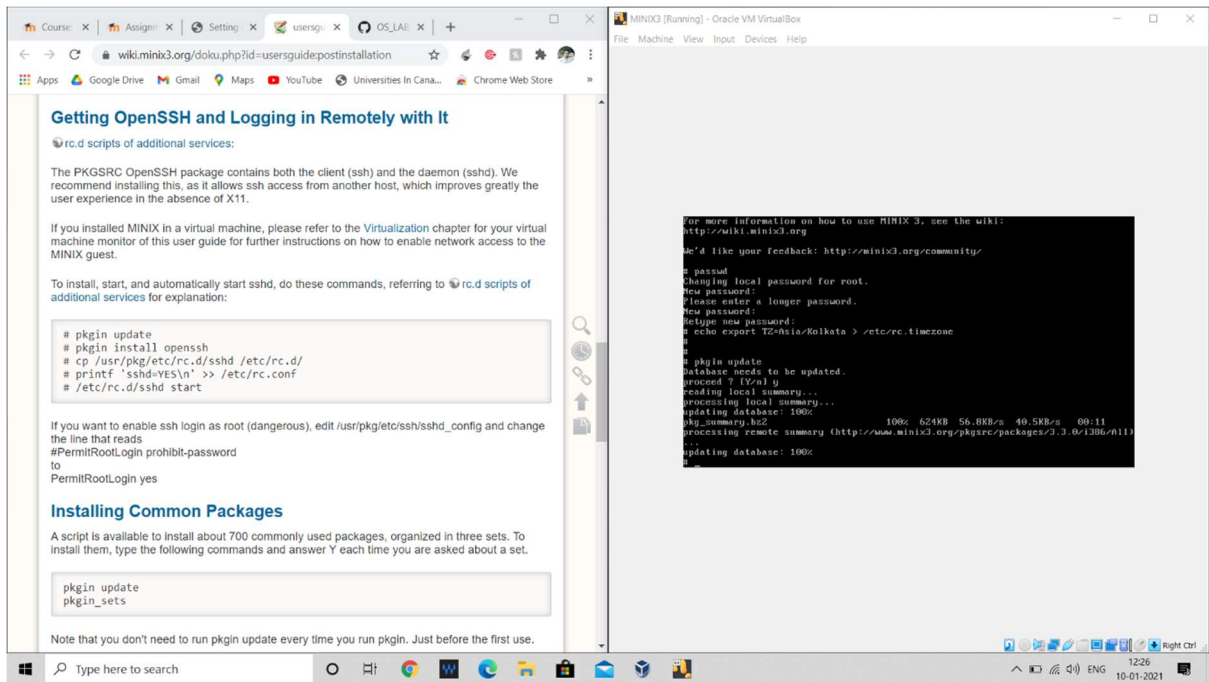
Setup complete after rebooting asking for login.



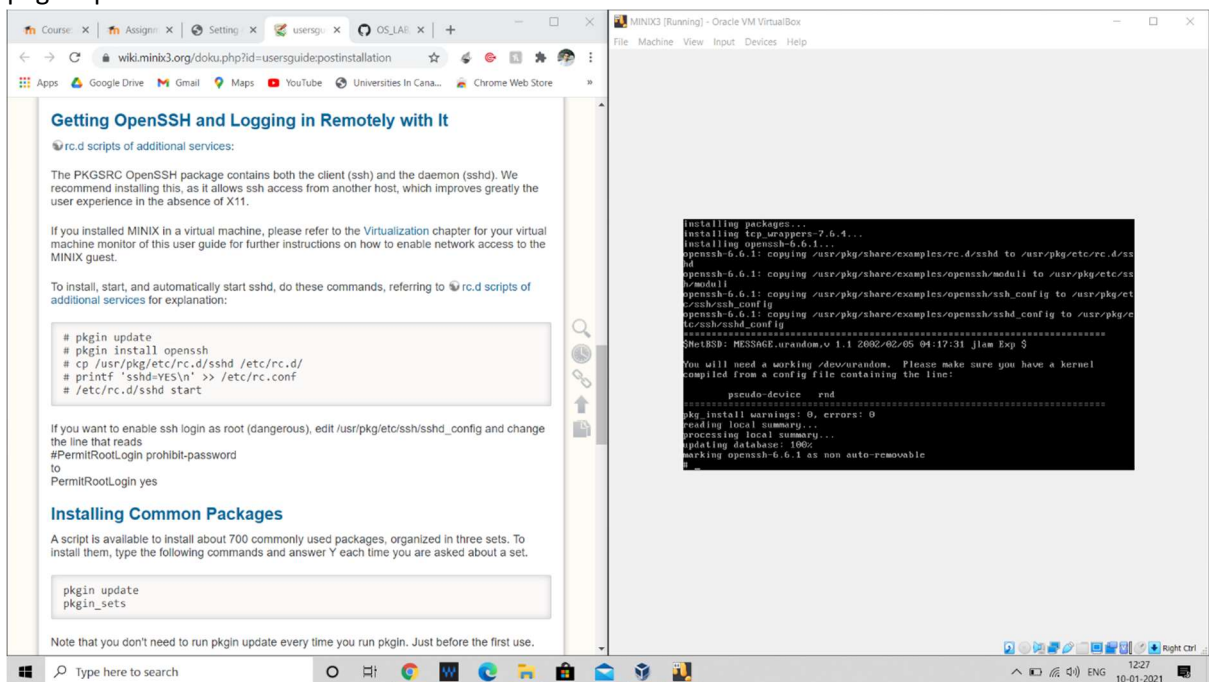
Password changed using passwd command.



Time zone changed to Asia/Kolkata.

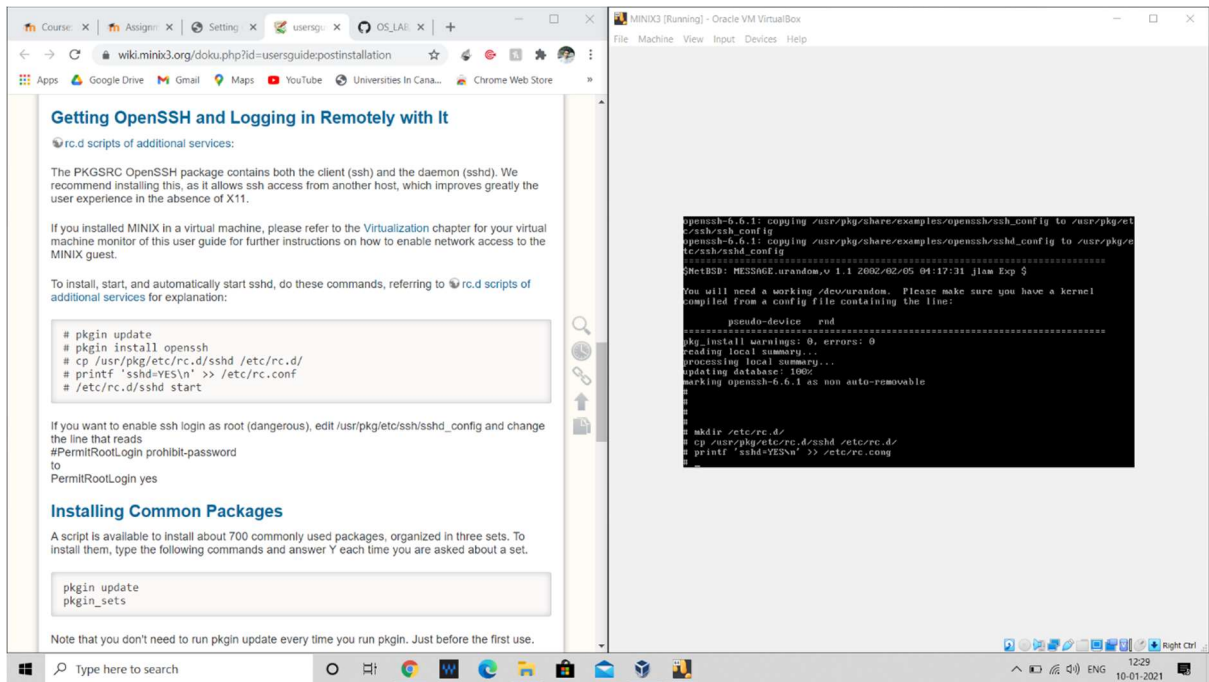


pkgin update done

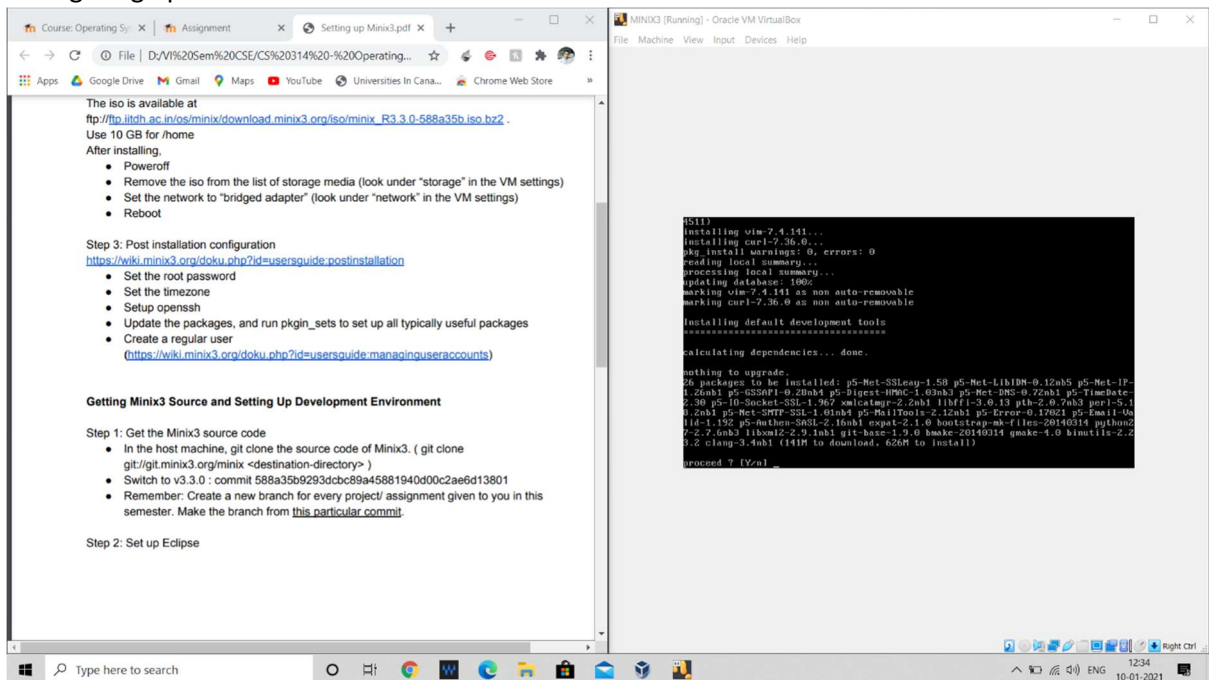


installing openssh completed.

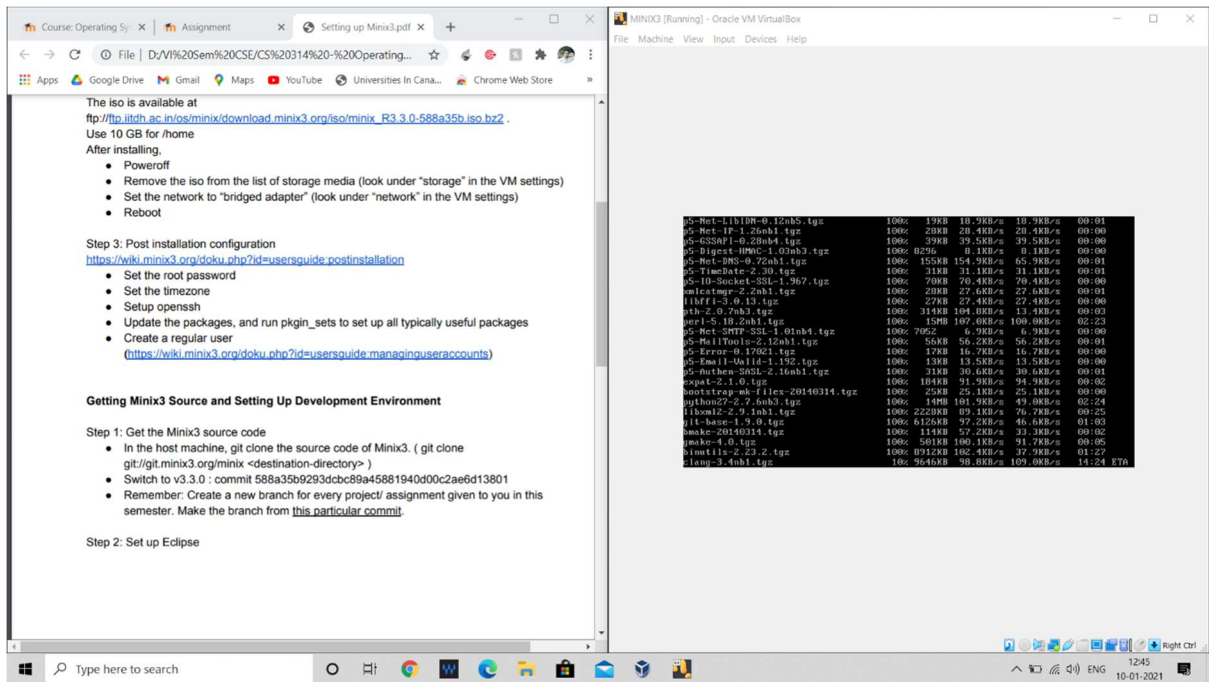




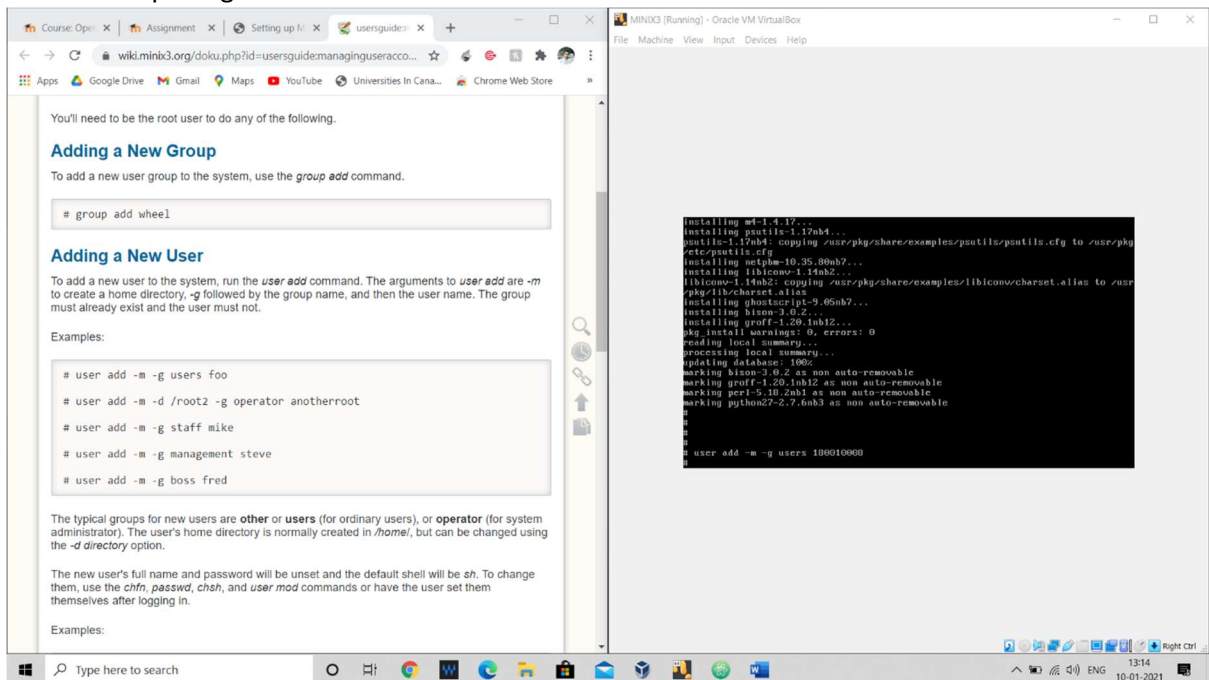
## Configuring openssh.



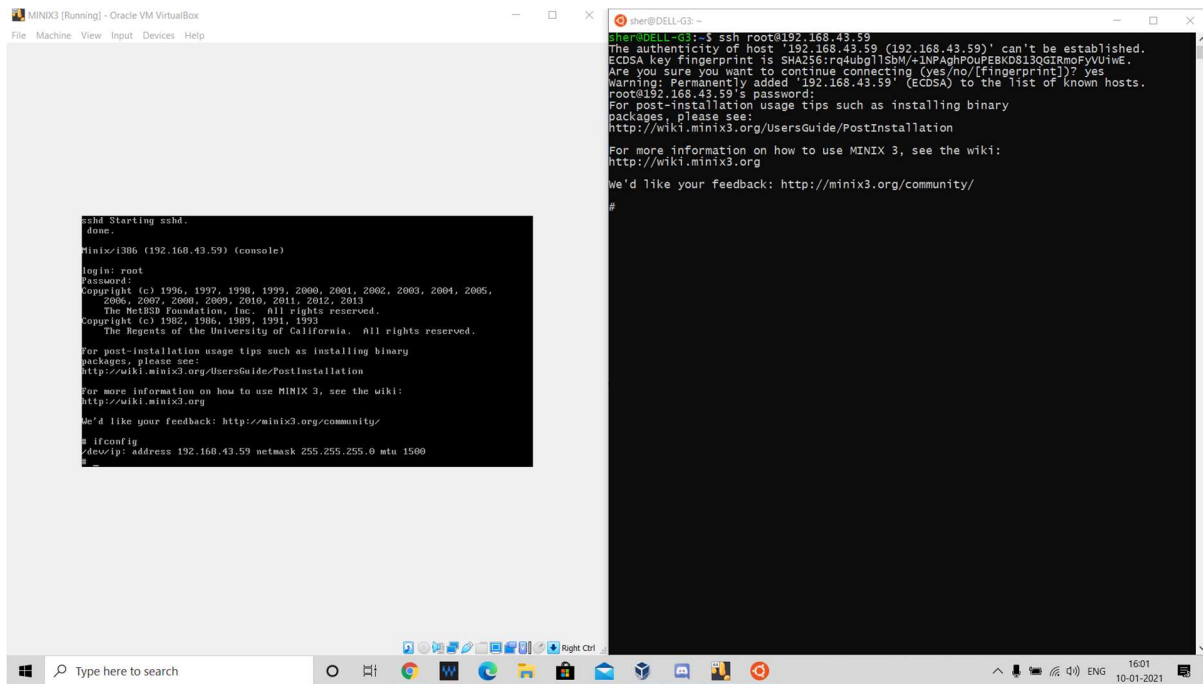
pkgin\_sets installing required packages.



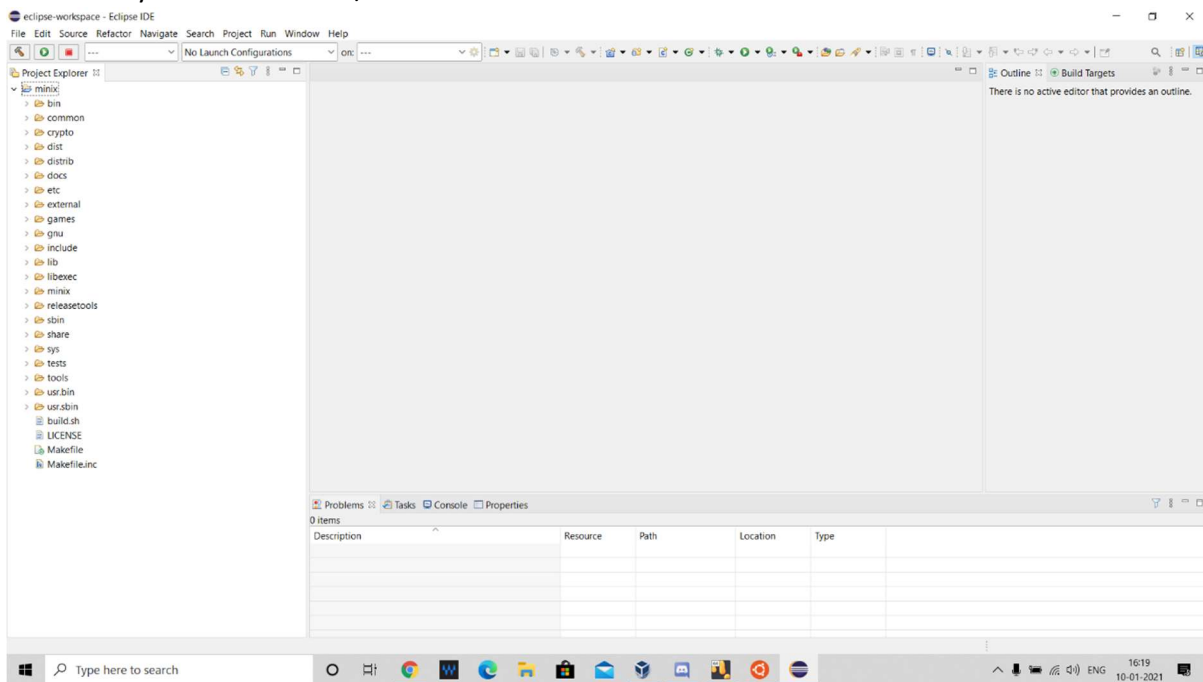
## Some more packages.



## Adding user '180010008' to 'users' group



Successfully connected SSH b/w host to virtual machine.



Eclipse IDE successfully setup and minix3 cloned project opened.

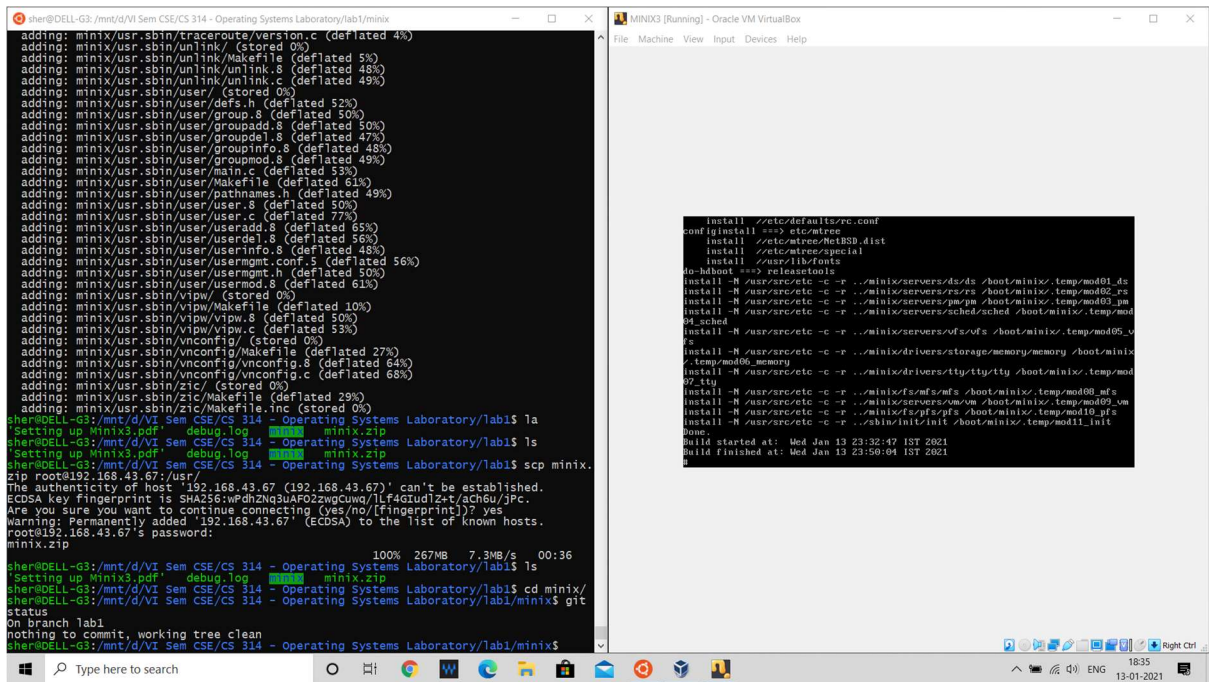
```
sher@DELL-G3: /mnt/d/VI Sem CSE/CS 314 - Operating Systems Laboratory
sher@DELL-G3:~$ ssh root@192.168.43.59
The authenticity of host '192.168.43.59 (192.168.43.59)' can't be established.
ECDSA key fingerprint is SHA256:rq4ubg1lSbM/+INPaghPOuPEBKd813QIRmoFYUwE.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.43.59' (ECDSA) to the list of known hosts.
root@192.168.43.59's password:
For post-installation usage tips such as installing binary
packages, please see:
http://wiki.minix3.org/UsersGuide/PostInstallation
For more information on how to use MINIX 3, see the wiki:
http://wiki.minix3.org
We'd like your feedback: http://minix3.org/community/
#
# exit
Connection to 192.168.43.59 closed.
sher@DELL-G3:~$ cd /mnt/d/
sher@DELL-G3:/mnt/d$ ls
'NTFSBoot.Lnk'  'magosh'  'System Volume Information'
DumpStack.log.tmp  'Winlogon'  'Winlogon.chk'
'Winlogon.chk'  Recovery  'magosh-gre-1000-words_oct01.pdf'
'Winlogon.chk'  'Winlogon.chk'  'Winlogon.chk'
sher@DELL-G3:/mnt/d$ cd VI\ Sem CSE\
sher@DELL-G3:/mnt/d/VI Sem CSE$ ls
CS 314 - Artificial Intelligence  CS 314 - Operating Systems Laboratory
CS 314 - Operating Systems  CS 314 - Computers Laboratory
CS 314 - Artificial Intelligence  CS 314 - Computers Laboratory
sher@DELL-G3:/mnt/d/VI Sem CSE$ cd CS\ 314\ -\ Operating\ Systems\ Laboratory\
sher@DELL-G3:/mnt/d/VI Sem CSE/CS 314 - Operating Systems Laboratory$ ls
sher@DELL-G3:/mnt/d/VI Sem CSE/CS 314 - Operating Systems Laboratory$ git clone https://github.com/Stichting-MINIX-Research-Foundation/minix.git lab1/
fatal: destination path 'lab1' already exists and is not an empty directory.
sher@DELL-G3:/mnt/d/VI Sem CSE/CS 314 - Operating Systems Laboratory$ git clone https://github.com/Stichting-MINIX-Research-Foundation/minix.git
Cloning into 'minix'...
remote: Enumerating objects: 184788, done.
remote: Total 184788 (delta 0), reused 0 (delta 0), pack-reused 184788
Receiving objects: 100% (184788/184788), 180.37 MiB | 2.22 MiB/s, done.
Resolving deltas: 100% (92452/92452), done.
Updating files: 100% (71064/71064), done.
sher@DELL-G3:/mnt/d/VI Sem CSE/CS 314 - Operating Systems Laboratory$
```

Host machine terminal used to clone minix3 repo.

```
MINIX3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

ssh@Sterling sshd.
done.
Minix31386 (192.168.43.59) (console)
login: root
Password:
Copyright (c) 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005,
2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013
The NetBSD Foundation, Inc. All rights reserved.
Copyright (c) 1982, 1986, 1989, 1991, 1993
The Regents of the University of California. All rights reserved.
For post-installation usage tips such as installing binary
packages, please see:
http://wiki.minix3.org/UsersGuide/PostInstallation
For more information on how to use MINIX 3, see the wiki:
http://wiki.minix3.org
We'd like your feedback: http://minix3.org/community/
# ifconfig
# devip: address 192.168.43.59 netmask 255.255.255.0 mtu 1500
```

Ip address of minix3 machine to connect to host ssh



Here, “`scp minix.zip root@192.168.43.67:/usr`” command executed to send file to minix OS.

Build Successful also shown on right side.