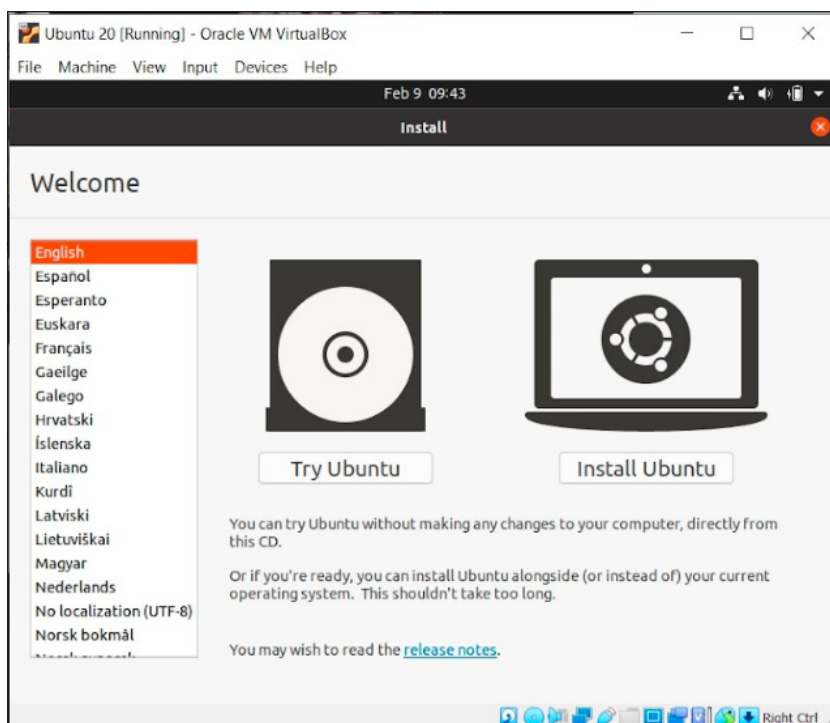
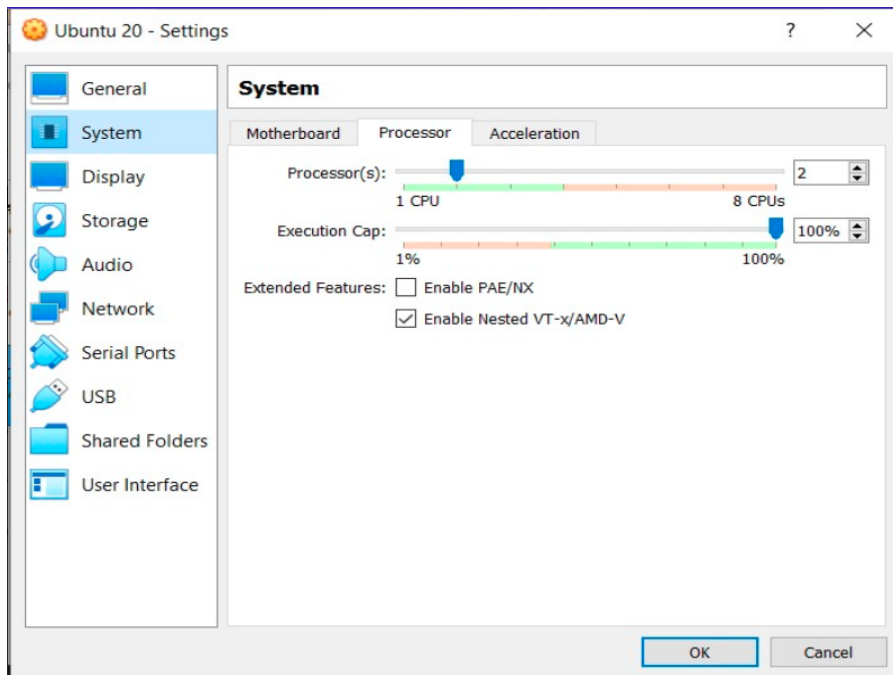
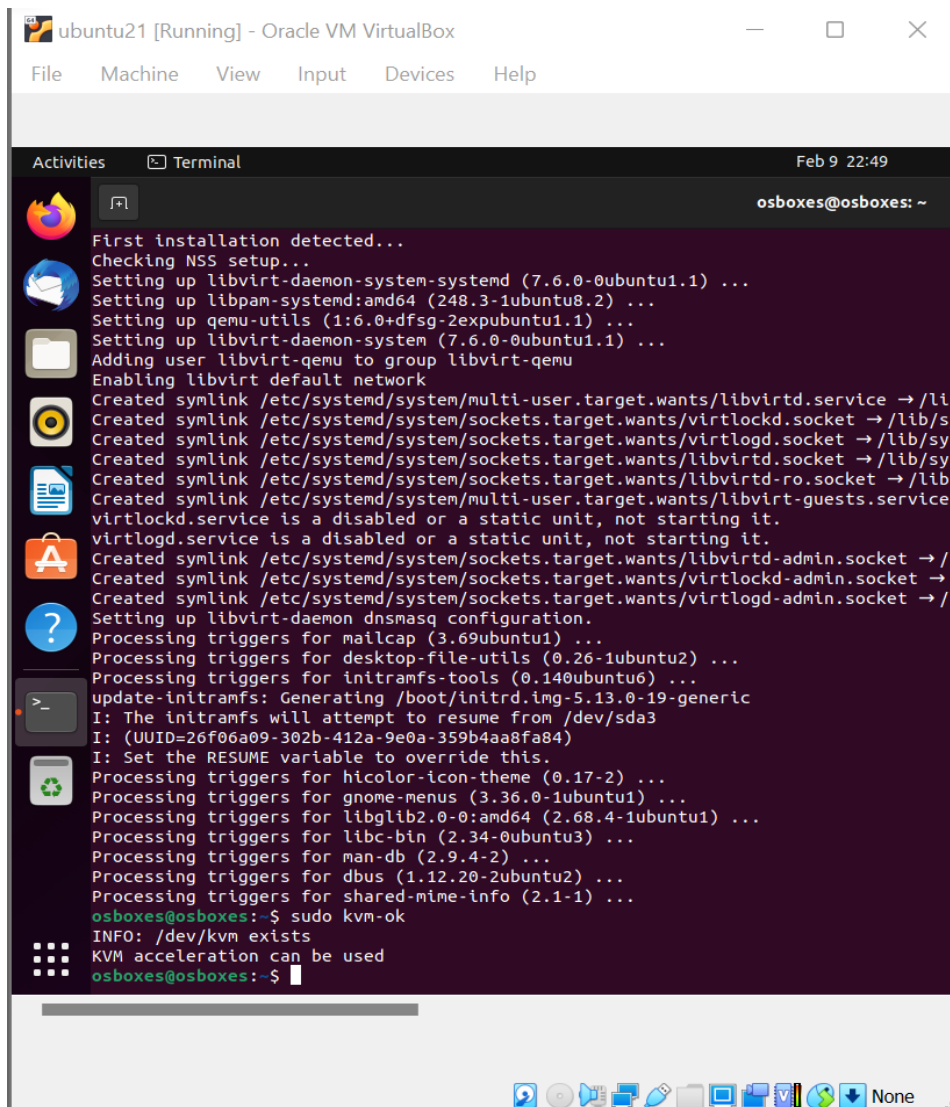
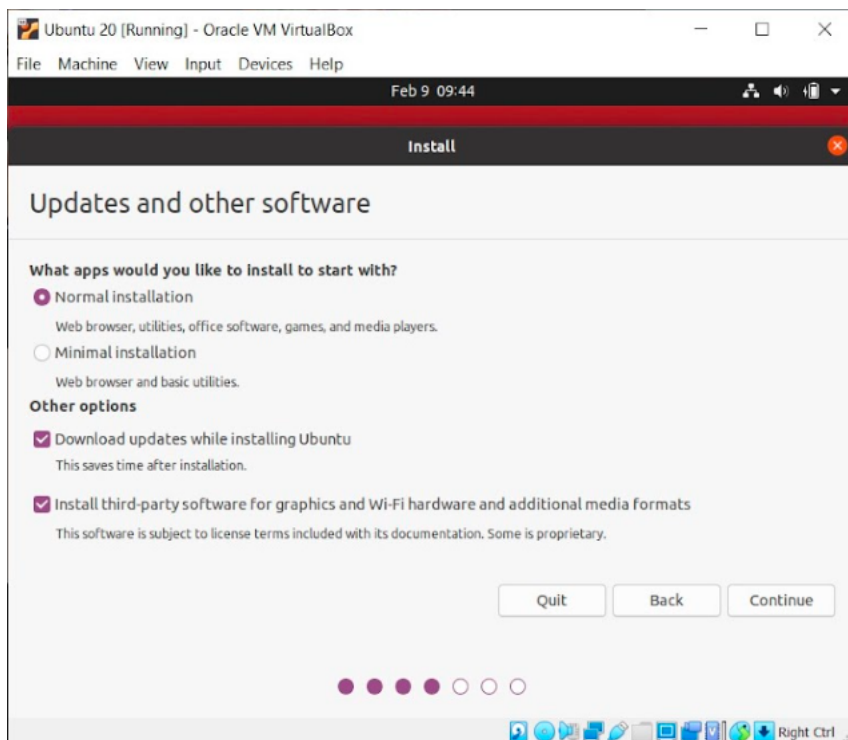


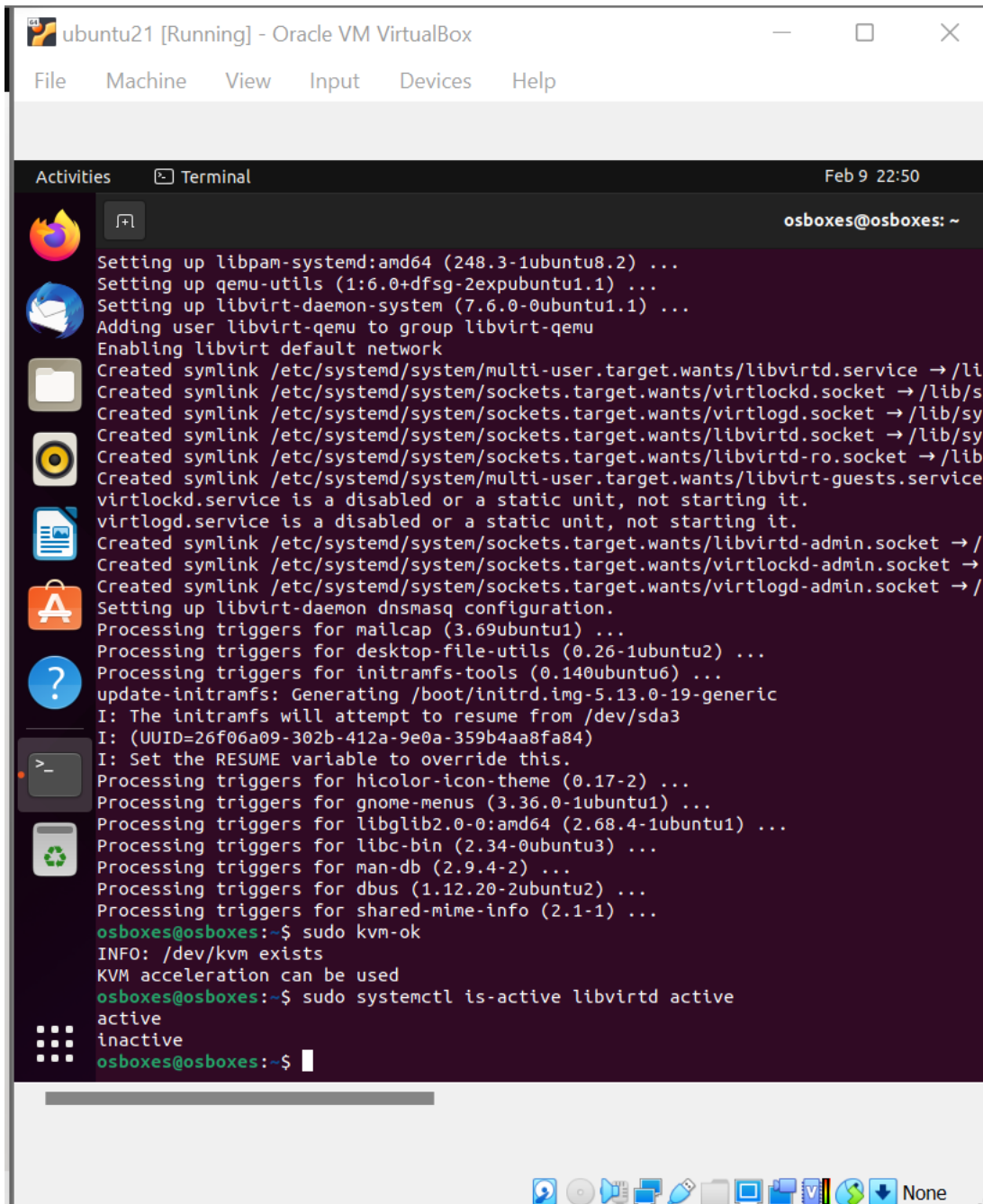
Name : Swapnil Sawant
Division : TE4
Roll No : 46
Batch : C
Subject : CCL

EXPERIMENT NO 2

Aim : To study and implement Hosted Virtualization using VirtualBox.

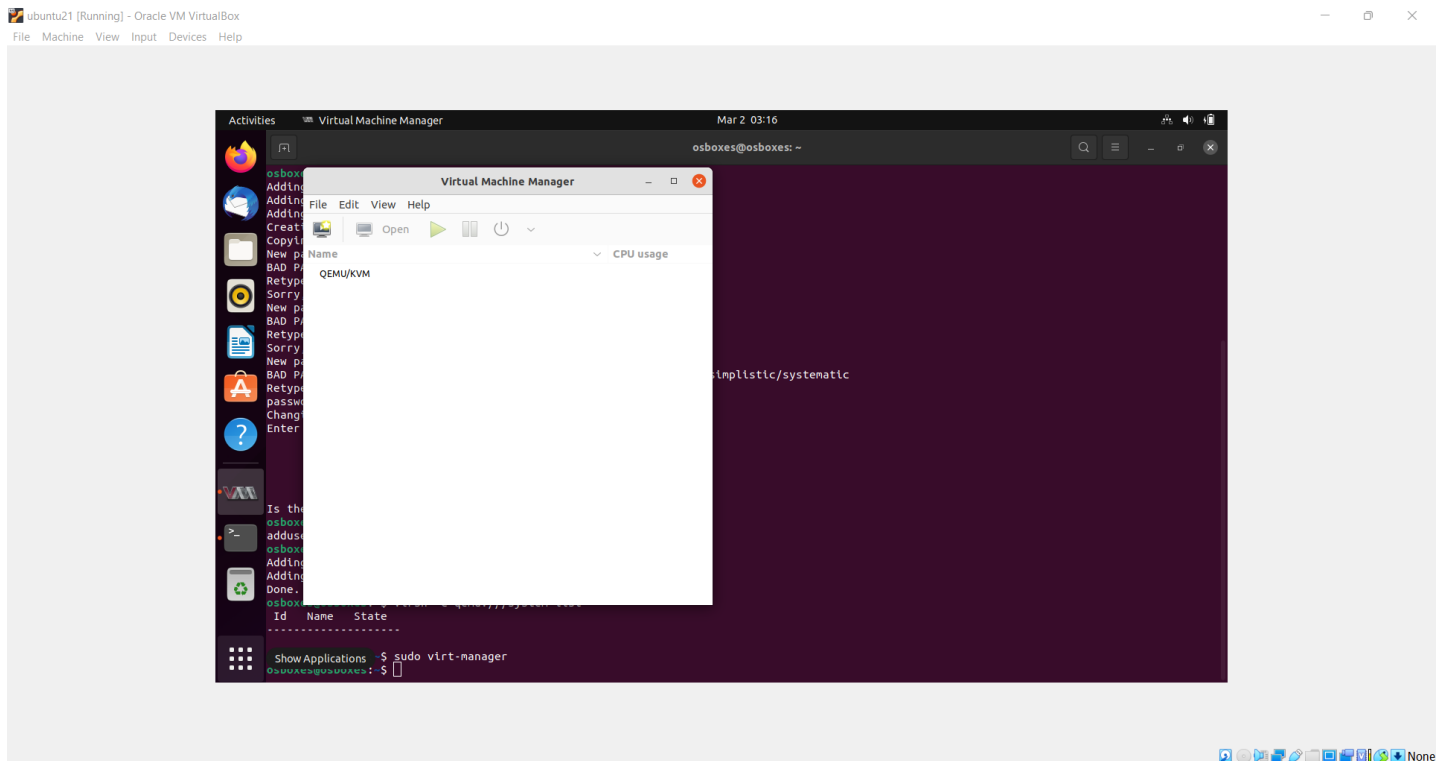






```
Activities Terminal Mar 2 03:13
osboxes@osboxes: ~
INFO: /dev/kvm exists
KVM acceleration can be used
osboxes@osboxes:~$ sudo systemctl is-active libvirt active
inactive
osboxes@osboxes:~$ sudo usermod -aG libvirt $USER
osboxes@osboxes:~$ sudo usermod -aG kvm $USER
sudo: usermod-aG: command not found
osboxes@osboxes:~$ sudo usermod -aG kvm $USER
osboxes@osboxes:~$ sudo adduser sakec
adduser: The user 'sakec' already exists.
osboxes@osboxes:~$ sudo adduser varad
Adding user 'varad' ...
Adding new group 'varad' (1003) ...
Adding new user 'varad' (1003) with group 'varad' ...
Creating home directory '/home/varad' ...
Copying files from '/etc/skel' ...
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password falls the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
Changing the user information for varad
Enter the new value, or press ENTER for the default
Full Name []: Varad Potdar
Room Number []:
Work Phone []: 7977135077
Home Phone []:
Other []:
Is the information correct? [Y/n] y
osboxes@osboxes:~$
```

```
Activities Terminal Mar 2 03:14
osboxes@osboxes: ~
osboxes@osboxes:~$ sudo usermod -aG kvm $USER
sudo: usermod-aG: command not found
osboxes@osboxes:~$ sudo usermod -aG kvm $USER
osboxes@osboxes:~$ sudo adduser sakec
adduser: The user 'sakec' already exists.
osboxes@osboxes:~$ sudo adduser varad
Adding user 'varad' ...
Adding new group 'varad' (1003) ...
Adding new user 'varad' (1003) with group 'varad' ...
Creating home directory '/home/varad' ...
Copying files from '/etc/skel' ...
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password falls the dictionary check - it is too simplistic/systematic
Retype new password:
passwd: password updated successfully
Changing the user information for varad
Enter the new value, or press ENTER for the default
Full Name []: Varad Potdar
Room Number []:
Work Phone []: 7977135077
Home Phone []:
Other []:
Is the information correct? [Y/n] y
osboxes@osboxes:~$ sudo adduser varad libvirtd
adduser: The group 'libvirtd' does not exist.
osboxes@osboxes:~$ sudo adduser varad libvirt
Adding user 'varad' to group 'libvirt' ...
Adding user varad to group libvirt
Done.
osboxes@osboxes:~$
```



Conclusion :

Type 2 hypervisors support guest virtual machines by coordinating calls for CPU, memory, disk, network and other resources through the physical host's operating system. This makes it easy for an end user to run a virtual machine on a personal computing device. Examples

include VMware Fusion, Oracle Virtual Box etc.