VIDADALA SRI RAM

192211702

CSA-1450

CLOUD COMPUTING AND BIG DATA

ANALYTICS FOR

CLOUD SECURITY…..

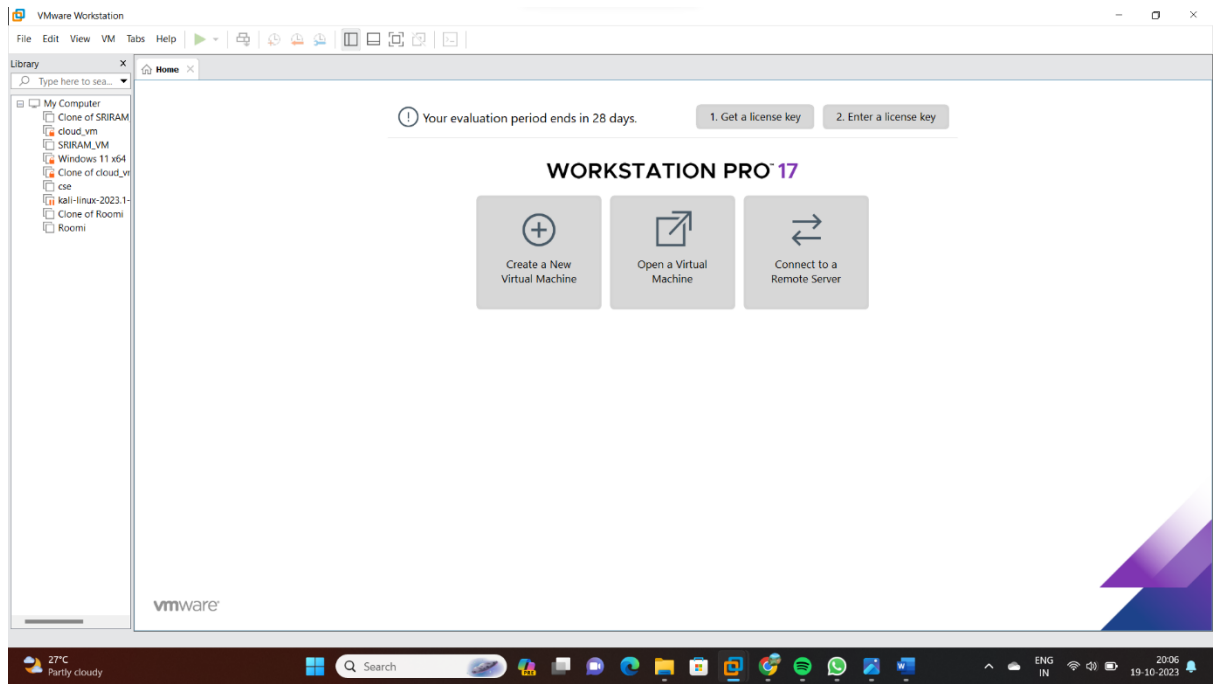## 7. Create a Virtual Machine with 1 CPU, 2GB RAM and 15GB storage disk using a Type 2 Virtualization Software.

14/10/23

EXPERIMENT-6

AIM:- To create a vm using vmware workstation/
Installation of vmware software
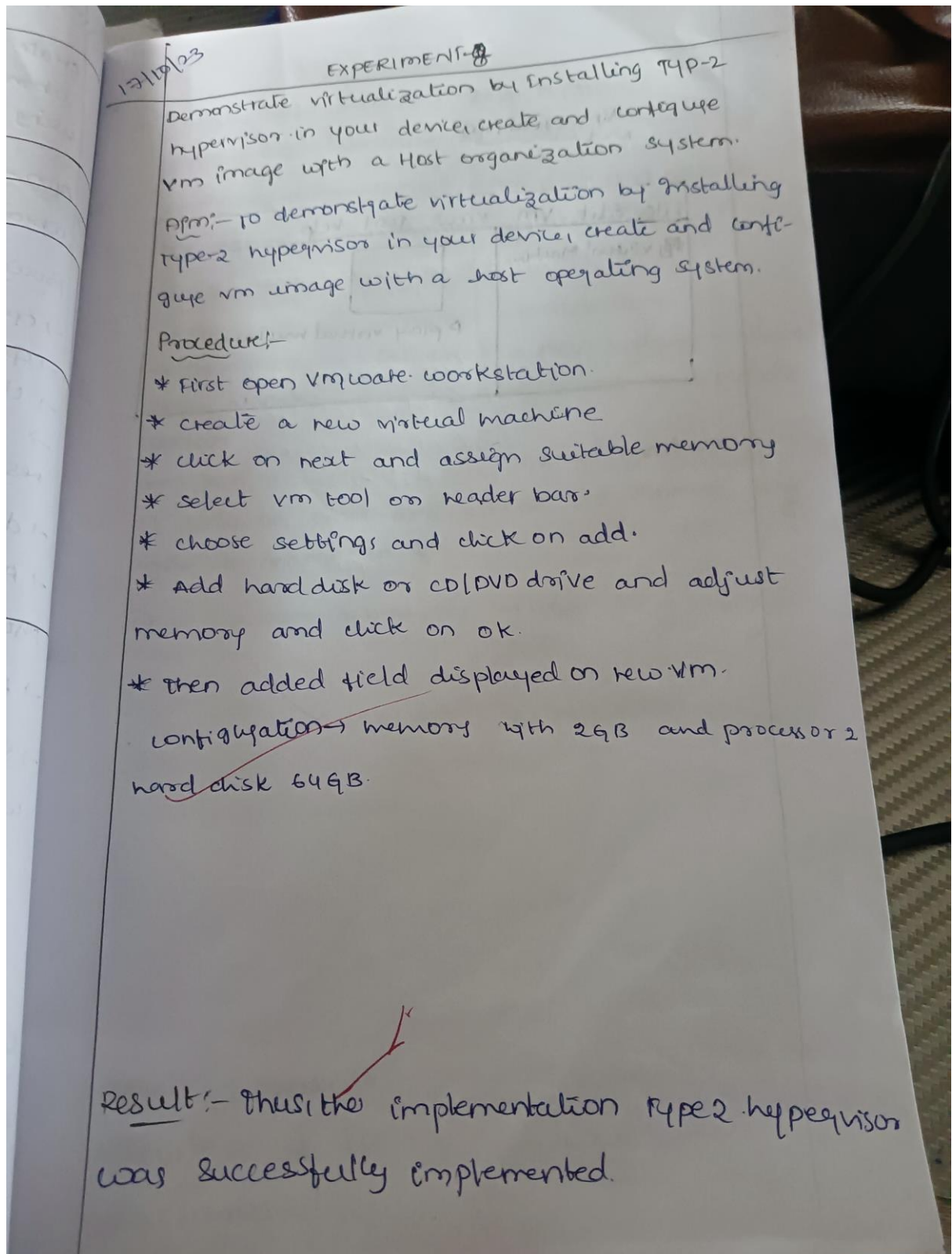virtual box with 1vcpu, 2GB RAM and 15 GB
storage and launch it.

Procedure:-

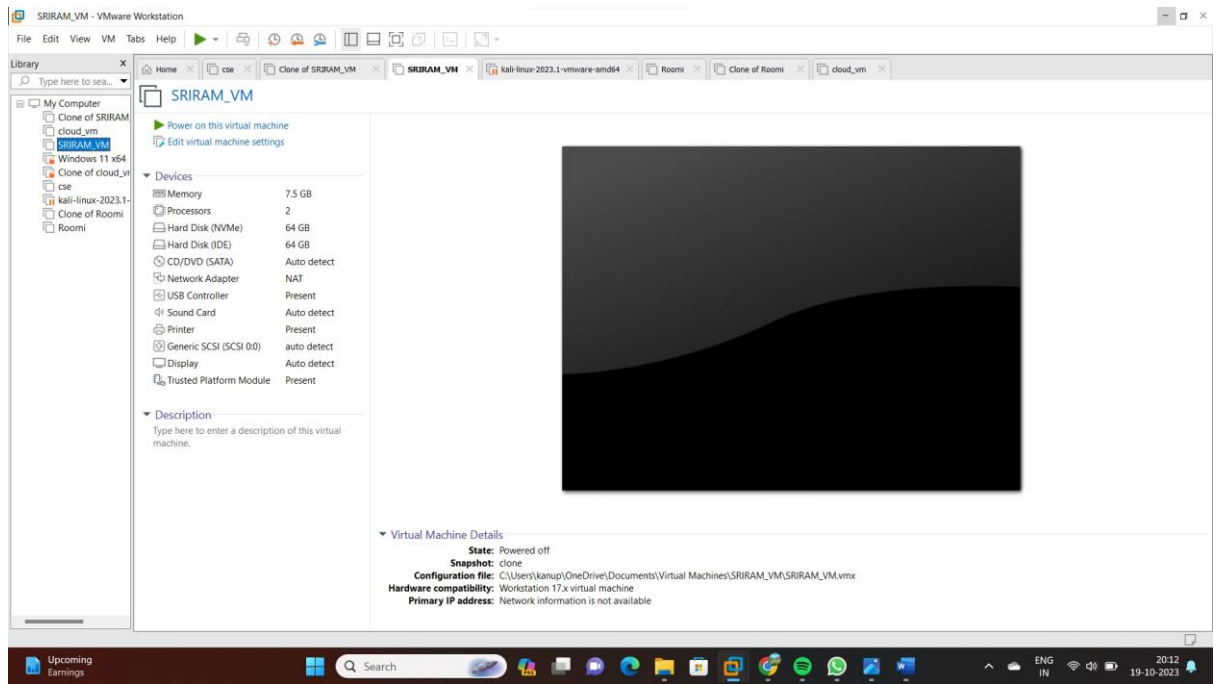→ open google browser

→ search for vmware software software.
for window

→ Download the vm ware software for
windows

→ Now install the software in system

→ given permission and accept the privacy
and security terms.

→ Now the vmware is installed.

Result:- Thus the installation of vmware workst
virtual machine
ation was installed successfully. and stored
se

8. Demonstrate virtualization by Installing Type-2 Hypervisor in your device, create and configure VM image with a Host Operating system (Either Windows/Linux).

17/10/23

EXPERIMENT-8

Demonstrate virtualization by Installing Typ-2 hypervisor in your device, create and configure vm image with a Host organization system.

Aim:- To demonstrate virtualization by Installing Type-2 hypervisor in your device, create and configure vm image with a host operating system.

Procedure:-

* First open VMware workstation.
* create a new virtual machine
* click on next and assign suitable memory
* select vm tool on header bar.
* choose settings and click on add.
* Add hard disk or CD/DVD drive and adjust memory and click on ok.
* then added field displayed on new vm.

configuration memory with 2GB and processor 2 hard disk 64GB.

Result:- thus the implementation type2 hypervisor was successfully implemented.

9. Create a Virtual Hard Disk and allocate the storage using VM ware Workstation

12/10/25

EXPERIMENT-9:-

* create a virtual Hard disk and allocate the storage using vmware Workstation.
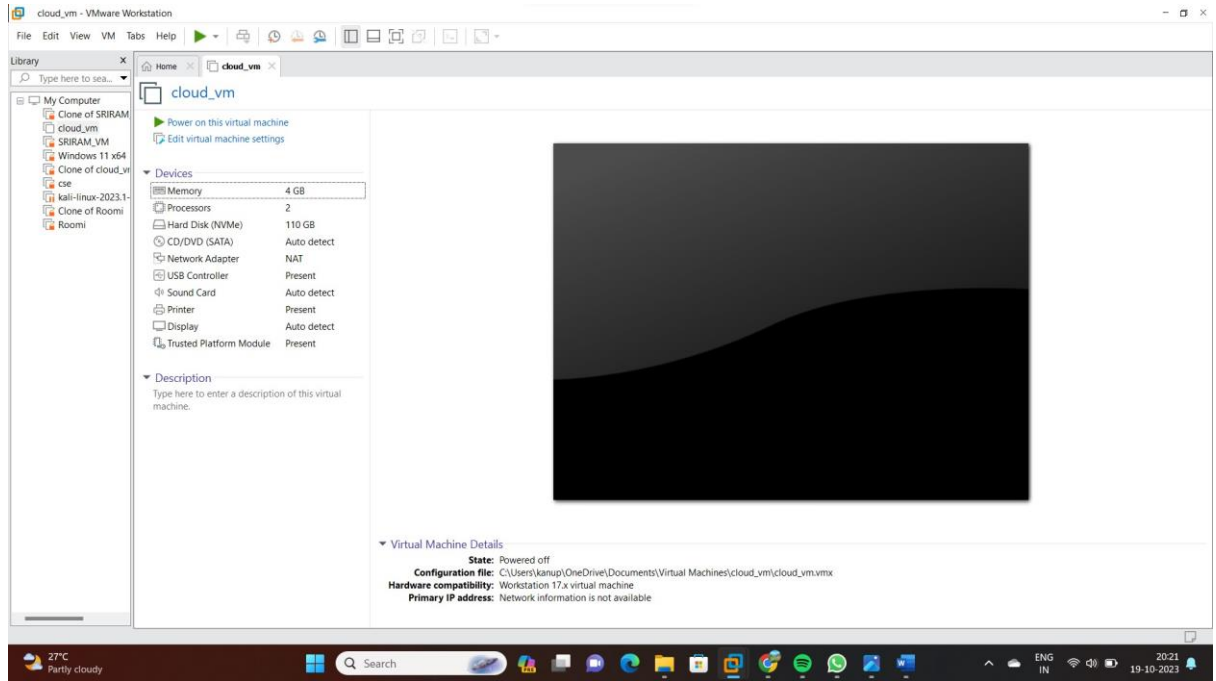
Aim:- to create a virtual hard disk and allocate the storage using vmware Workstation.
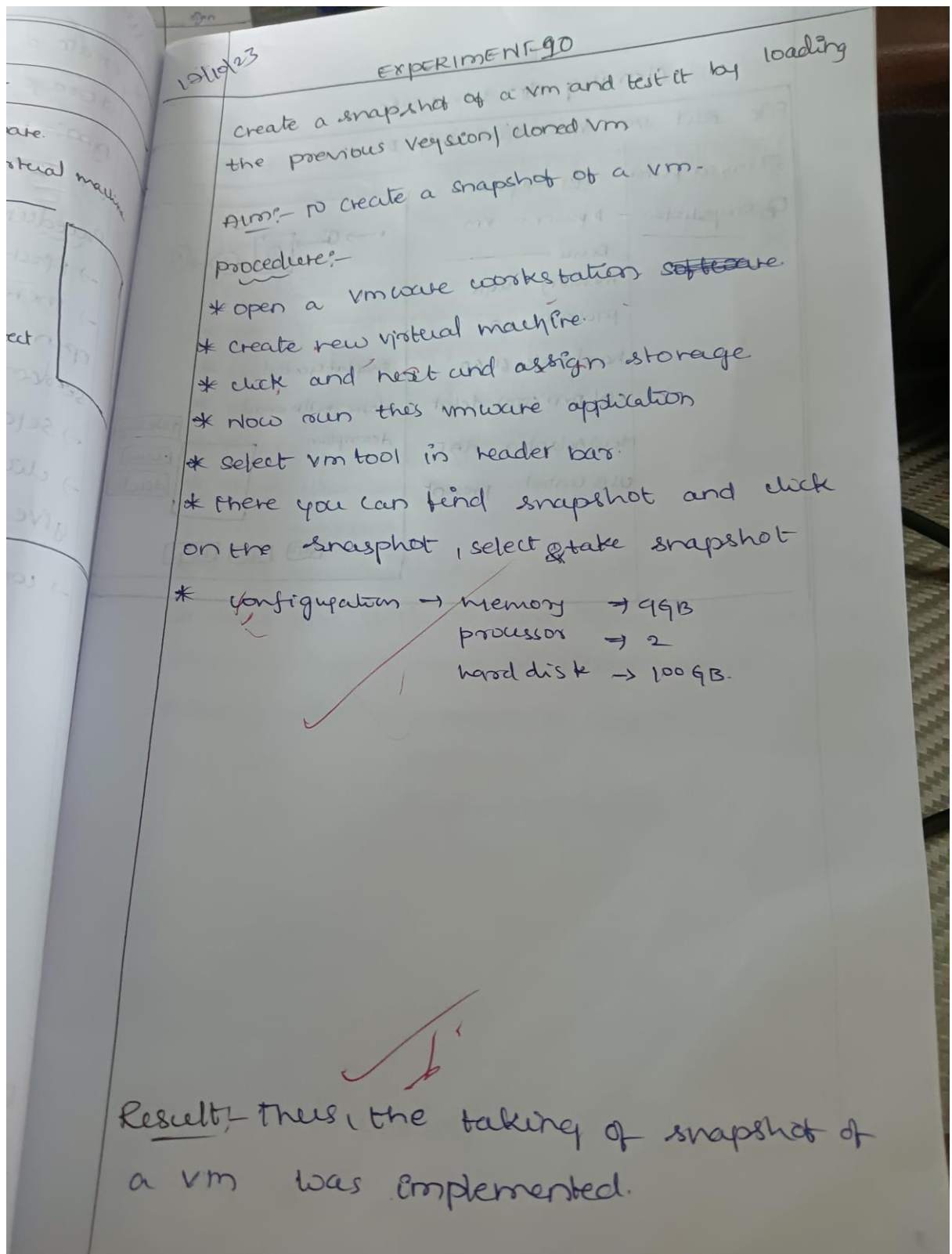
Procedure:-

→ First open the vmware workstation

→ there you can see create a new virtual machine, open a virtual machine, and connect to a remote servers.

→ Select the create a New virtual machine.

→ click on next and allocate the storage and give a name to VM.

→ configuration ⇒ memory → 4GB
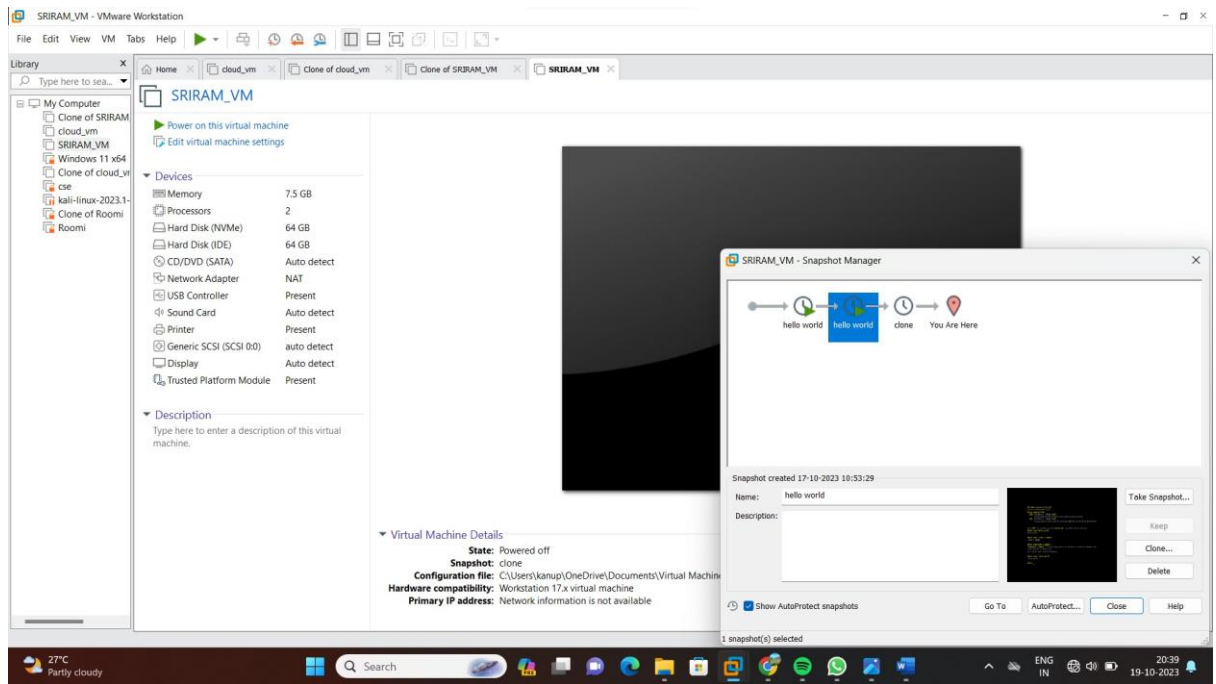processor → 2
hard disk → 64 GB
CD/DVD → Auto detect.

Result:- Thus, the virtual hard disk and allocation of storage vm ware workstation was implemented.

10. Create a Snapshot of a VM and Test it by loading the Previous Version/Cloned VM

19/10/23   EXPERIMENT-90

Create a snapshot of a vm and test it by loading
the previous version/cloned vm

Aim:- To create a snapshot of a vm.

Procedure:-

* open a vmware workstation software.
* create new virtual machine.
* click and next and assign storage
* Now run this vmware application
* select vm tool in header bar.
* there you can find snapshot and click
on the snapshot, select & take snapshot

*   configuration → memory   → 9GB
                       processor → 2
                       hard disk → 100 GB.

Result:- Thus, the taking of snapshot of
a vm was implemented.

11. Create a Cloning of a VM and Test it by loading the Previous Version/Cloned
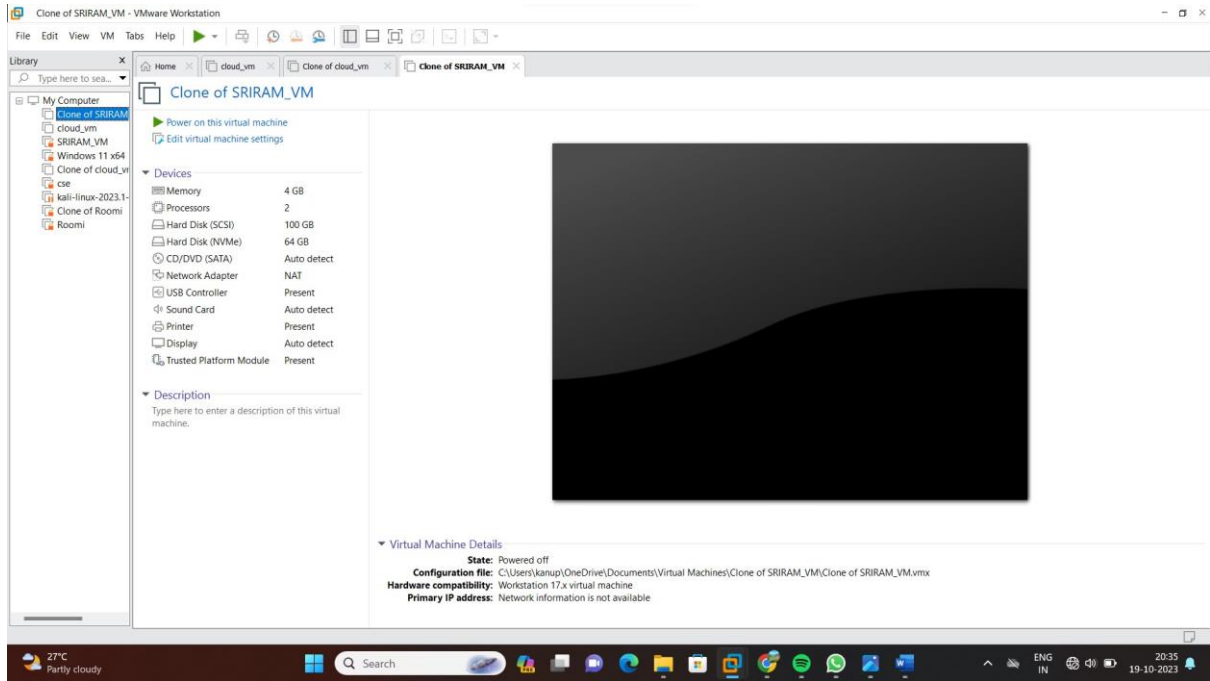
19/1/01

EXPERIMENT-10

create a cloning of a VM and Test it by loading the previous version/cloned vm.

Aim:- To create a cloning of a vms and test it by loading the previous version/cloned vm.

PROCEDURE:-

* open vmware workstation software
* create a new virtual machine
* click on next and assign storage..
* select vm tool on header.
* There you can see a manage tool and click on the manage
* After selecting manage, there clone tool is visible.
* select and click on clone, after that click on next and give name for cloned virtual machine.
* configuration → memory → 4GB

  processor → 2

  haydiskk → 64GB

RESULT:- Thus, cloning of a vm was implemented successfully.

12. Change Hardware compatibility of a VM (Either by clone/create new one) which is already created and configured

12/11/23

EXPERIMENT 12

change Hardware compatibility of a vm (Either by clone/ create new one) which is already created and configured.

AIM:- To change hardware compatibility of a Vm (either by clone/ create new one) which is already created and configured.

PROCEDURE:-

→ open ymware workstation software.

→ Create a new virtual machine

→ click on next and assign storage.

→ select vm tool on header bar

→ there you can see a manage tool and click on the manage

→ After selecting manage, there clone tool is visible

→ select and click on clone, after that click on next and give name for cloned virtual machine

→ Now select vm tool and click on snapshot to take snapshot.

→ configuration → memory → 7·5GB

→ processor 2

→ hard disk → 64GB

Result:- Thus, cloning of Vm ware and snapshot was executed successfully.