

# INDEX

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STD: DIV/SEC:

ROLL NO: 198211097

SUBJECT: CLOUD LAB MANUAL

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## EXPEERIMENT 1:

### 1. Web API for car booking system

Name:	<input type="text" value="Prudip"/>	<input type="text" value="Vankat"/>
Email:	<input type="text" value="prudip@gmail.com"/>	
No of subjects:	<input type="text" value="3"/>	
Phone no:	<input type="text" value="9550632153"/>	
Student address:	<input type="text" value="OR NO: B-3-211"/>	
	<input type="text" value="Anantapur"/>	<input type="text" value="A.P"/>
	<input type="text" value="515001"/>	<input type="text" value="India"/>
Maths Marks:	<input type="text" value="80"/>	
English Marks:	<input type="text" value="80"/>	
Social Marks:	<input type="text" value="80"/>	
Total Marks:	<input type="text" value="240"/>	
Signature:	<input type="text" value="—"/>	
Image:	<input type="text" value="PDF"/>	

Experiment No. 5

Aim: To create web API for student

Software  
Apparatus Required: zoho website, internet

Procedure:-

- First open zoho website and enter credentials required.
- Next after creating account browse and open it.
- create an application form for student information.
- After creating it, opens function page.
- Add functions like Name, e-mail, Id, no of subjects, marks for each subject, Total, Age, phone no, Gender, Father, Mother name.
- After adding functions click on done and select access application file.
- open application file and fill the details.
- After filling details click on submit.
- The data is store and can view it.

Result: The web API for student information has been successfully created and deployed using zoho creator.

mvardhan6621 - Zoho booking

creatorapp.zoho.in/mvardhan662/zoho-booking-a-cab#Report:Bookings

Gmail Maps YouTube

Zoho Booking A Cab

Trial expires in 11 days Upgrade Edit this application Help

Zoho booking a cab

Cab Booking

Book a Cab

Bookings

Bookings

customer name

customer email

customer phone

16-Oct-2023

prudvi venkat krishna

krishnadeva@gmail.com

+9189012345

Overview

customer name

prudvi venkat krishna

customer email

krishnadeva@gmail.com

customer phone number

+918901234567

Gender

Male

Booking Date

16-Oct-2023

Travel Date

16-Oct-2023

Pickup Time

5 pm to 6pm

Pickup Address

punjagutta, 5th street, door no 3023, Hyderabad, Telangana, 524004, India

Destination Address

Netagi nagar, 1st street, door no 3421, Nellore, Andhra pradesh, 524012, India

Add a comment

M Manoj Vardhan

Showing 1 of 1

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08:17 20-10-2023

## EXPEERIMENT 2:

### 2. WEB API for flight reservation system

Name: Pranav Vardhan

Address: PR NO: 15-3-2021  
Srinivasa Nagar  
Anantapur A.P  
515001 India

Email: manoj@redgmafi.com

Phone: 9898989898

Pickup point: Tirupati

Time: Anantapur 8:AM

Drop time: 8:00 AM

Amount: 100

Charge per KM: 20

Final amount: 3000

Experiment No. 1

Aim: To create web API for flight application system

Apparatus required: zoho website, Internet software

Procedure:

- First open zoho website and enters the credentials required
- After creating account link on creator option.
- create an application for flight reservation system
- After creating application it opens function page.
- After opening add name, Email, Phone no, No. of person's travelling, Date of journey, distance, Ticket, Amount, price, Time of boarding, Place of boarding, place of landing.
- After adding click on done and provision access for application.
- open the application after accessing
- fill the details in the application
- next click on submit
- The data is stored and can view it.

Result: The app for flight-application system has been successfully created and deployed using zoho creator.

mvardhan6621 - Zoho airlines

creatorapp.zoho.in/mvardhan662/zoho-airlines#Report:All\_Pikachu\_Airlines

Gmail Maps YouTube

Zoho Airlines

Trial expires in 11 days Upgrade Edit this application Help

Zoho airlines

Pikachu Airlines

pikachu airlines

All Pikachu Airlines

All Pikachu Airlines

customer Name customer mobile number customer address

Manoj vardhan +917680092333 pragathi nagar, podalkur road, 1st street, India

<> Edit Duplicate More

customer Name	Manoj vardhan
customer mobile number	+917680092333
customer address	pragathi nagar, podalkur road, 1st street, Nellore, Andhra pradesh, 524004, India
Launch Date of customer plane	16-Oct-2023
Time of Airline start	08:40:00
customer email	mvardhan662@gmail.com
seating plan	C6
payment of ticket booking	₹ 3,200.00

Add a comment

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20-10-2023 08:19

### EXPERIMENT 3:

#### 3. WEB API for flight reservation system

Name:

Address:

Email:

Phone:

Pickup point:

Time:

Drop time:

Amount:

Charge per KM:

Final amount:

Experiment No: 1

Aim: To create web API for flight application system

Apparatus required: Java website, Internet software

Procedure:

- First open java website and enters the credentials required
- After creating account link on creator option
- create an application for flight reservation system
- After creating application it opens function page
- After opening add Name, Email, Phone no, No of persons travelling, Date of journey, distance, Ticket, Amount, price, Time of boarding, Place of boarding, place of landing
- After adding click on done and provision access the application
- open the application after accessing
- fill the details in the application
- next click on submit
- The data is stored and can view it.

Result: The app for flight-application system has been successfully created and deployed using java creator.



mvardhan6621 - Zoho airlines

creatorapp.zoho.in/mvardhan662/zoho-airlines#Report:All\_Pikachu\_Airlines

Gmail Maps YouTube

Zoho Airlines

Trial expires in 11 days Upgrade Edit this application Help

Zoho airlines

Pikachu Airlines

pikachu airlines

All Pikachu Airlines

All Pikachu Airlines

customer Name customer mobile number customer address

Manoj vardhan +917680092333 pragathi nagar, podalkur road, 1st street, India

customer Name

customer mobile number

customer address

Launch Date of customer plane

Time of Airline start

customer email

seating plan

payment of ticket booking

Manoj vardhan

+917680092333

pragathi nagar, podalkur road, 1st street, Nellore, Andhra pradesh, 524004, India

16-Oct-2023

08:40:00

mvardhan662@gmail.com

C6

₹ 3,200.00

Add a comment

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## EXPERIMENT NO 4:

### 4. WEB API for library book reservation system

Name: <input type="text" value="Aradhya Sai"/>	Experiment No. 4
Email: <input type="text" value="manjures@gmail.com"/>	Aim: To create web API for library book reservation system
Phone: <input type="text" value="7610091309"/>	Software
Date of Taking: <input type="text" value="16/10/2023"/>	Apparatus required: zoho website, Internet
Date of Returning Book: <input type="text" value="18/10/23"/>	Procedure: → First open zoho website and enter the credentials required
Amount: <input type="text" value="100"/>	→ Next after creating account and browse creator open dev on it.
No. of days: <input type="text" value="8"/>	→ Create the application form for book reservation system
No. of books: <input type="text" value="2"/>	→ After creating application, it opens functions page
Total cost: <input type="text" value="100"/>	→ Next add functions the Name, Email, Pin no, Books, Payment, no. of days, Availability, Signature
Signature: <input type="text" value="Aradhya Sai"/>	→ After adding functions click on done and select access application file
	→ open the application and fill details
	→ The data is stored & can use it.
	Result: The application for library book reservation system has been successfully created and deployed in zoho creator.



mvardhan6621 - library

creatorapp.zoho.in/mvardhan662/library/#Report:All\_Libraries

GmailMapsYouTube

Library

Trial expires in 11 days UpgradeEdit this applicationHelp

library

Libraries

library

All Libraries


All Libraries

<input type="checkbox"/>	Name	Email	Phone	Date
<input type="checkbox"/>	Manoj vardhan	manju@gmail.com	+916789054321	20-O

Manoj Vardhan

Showing 1 of 1

EditDuplicateMore

Name	Manoj vardhan
Email	manju@gmail.com
Phone	+916789054321
Date of taking	20-Oct-2023
Date of returning	27-Oct-2023
Amount	₹ 200.00
Number of books	3
Number of days	7
Signature	
Total cost	1400.0

Add a comment

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## EXPERIMENT 5:

### 5. Web API for basic pay system:

Name:	Manoj	Varadhan
Email:	manoj@gmail.com	
Phone No:	7680092309	
Address:	DA No: 15206	
	Ram Nagar	Anantapur AP
	515003	India
Phone:	7680092309	
Date of joining:	10/10/95	
Registration Id:	199211097	
Salary:	10,000	
% CCA:	20	
Formula for CCA:	2000	
% of PA:	10	
Formula for PA:	1000	
% for Tax:	3	
Formula for tax:	300	
Total salary:	12,700	

Experiment No: 5

Aim: To create web API for Basic pay system

Software Required: Zoho website, Internet

procedure:

- First open zoho website and enter the credentials required
- After creating account, click on creator option
- create an application for basic pay system
- After creating application it opens function page
- next add the functions like Name, Email, date of joining, employee id, designation, Basic pay, DA %, CCA %, Tax, Total salary, Formula
- After adding functions, click on done and select accessing the application
- next open the application and fill the details
- After filling the details click on submit
- The data is stored and can view it

Result:

The web application/ API for basic pay system has been successfully created and deployed using Zoho creator.

Basic pay system

manoj zoho basic pay system Report

manoj zoho basic pay ...

manoj zoho basic pa...

manoj zoho basic pa...

Employee n...	Email Id	Date of bir...	Employee id
manoj vardhan	manju@gmail.com	17-Aug-2004	1234567

Employee name

manoj vardhan

Email Id

manju@gmail.com

Date of birth

17-Aug-2004

Employee id

1234567

designation basic pay

₹ 1,05,000.00

Date of joining

02-Oct-2023

CCA

20.00

TAX

3.00

DA

6.00

salary

105026.0

Formula for cca

21000.0

Formula DA

6300.0

Formula for tax

3150.0

Showing 1 of 1

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ENG IN

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20-10-2023

## EXPERIMENT 6:

### 6. WEB API for student information:

Name:	Prudvi	Vankat
Email:	prudvi@gmail.com	
No of subjects:	3	
Phone no:	9550632153	
Student address:	OR.WD: 3-3-211	
	Anantapur	A.P
	515001	India
Maths Marks:	80	
English Marks:	80	
Social Marks:	80	
Total Marks:	240	
Signature:	+	
Image:	PDF	

Experiment No: 5

Aim: To create web API for student

Software  
Appetatus Required: zoho website, internet

Procedure:-

- First open zoho website and enter credentials required.
- Next after creating account browse and open it.
- create an application form for student information.
- After creating it, opens function page.
- Add functions like Name, e-mail, Id, no of subjects, marks for each subject, Total, Age, phone no, Gender, Father, Mother name.
- After adding functions click on done and select access application file.
- open application file and fill the details.
- After filling details click on submit.
- The data is store and can view it.

Result: The web API for student information has been successfully created and deployed using zoho creator.

mvardhan6621 - student

creatorapp.zoho.in/mvardhan662/student#Report:Students

GmailMapsYouTube

Student

Trial expires in 11 days Upgrade

Edit this application

Help

student

Student Details

Students

Add Student

M Manoj Vardhan

Students

Registration Number

Showing 1 of 1

Overview

Registration Number	1
Name	manoj vardhan
Date of Birth	17-Aug-2004
Gender	Male
Date of Joining	17-Oct-2023
Address	netaji nagar, 1st street, nellore, andhra pradesh, 524004, India

Parent/Guardian Details

Name	ramu ramu
Mobile	+917680092309
Email	manju@gmail.com

Previous Institute Details

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## Experiment NO:7

### 7.Install VM software and create virtual machine

**Devices**

- Memory
- processor 8
- Hardware 20GB
- CD/DVD Auto detect
- Network Adapter NAT
- Linux Toolchain present
- Sound card Auto detect
- Point present
- Display Auto detect

**Virtual machine detail**

State powered off

Configuration file: C:\Users\Arshad\Documents

Hardware compatibility: workstation 16, 2011

Primary IP address: network information is not available

**Experiment-7**

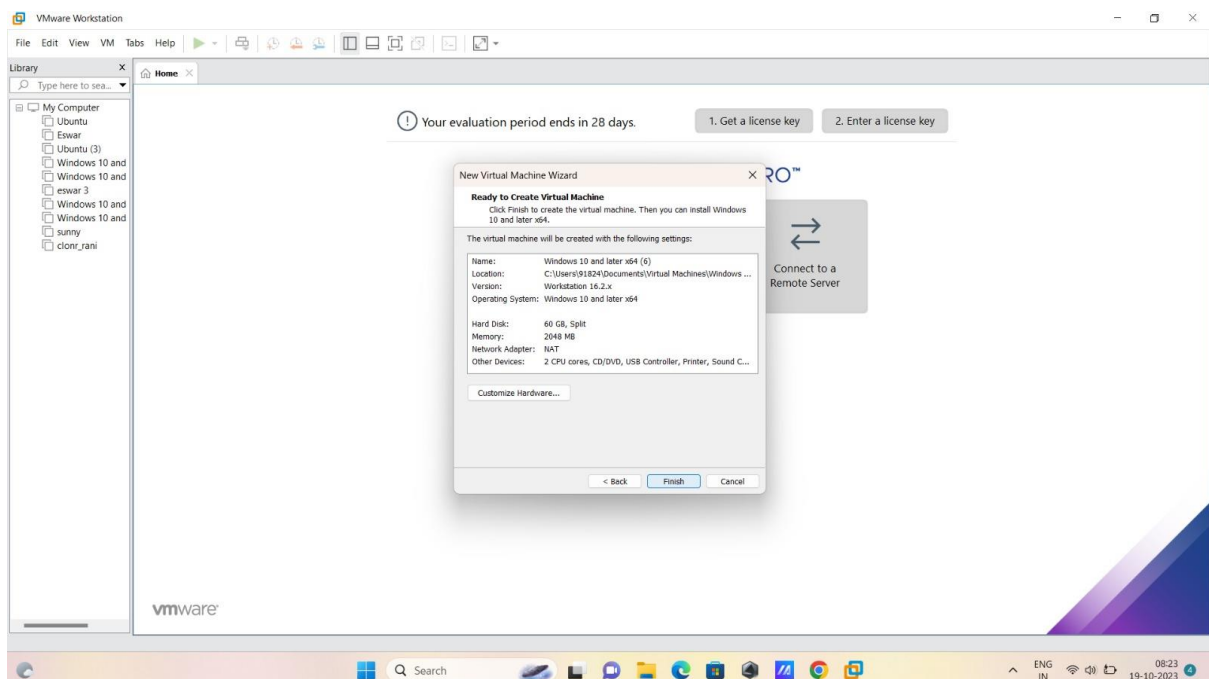
**Aim:-** To Install VM workstation and create software

**Prerequisites Required:-** VM Software, Internet

**procedure:-**

- First open a web browser and search VMware software download for windows
- Click on the first appearing link next it interfaces the versions to download
- select the supported link version to your computer to download
- After completion download select install VMware
- VM ware software asks to accept terms and conditions
- provide all permissions required to run software
- After installation, create the new virtual machine in the software
- select type recommended for the software
- Place the OS image downloaded file the given option
- select the operating system

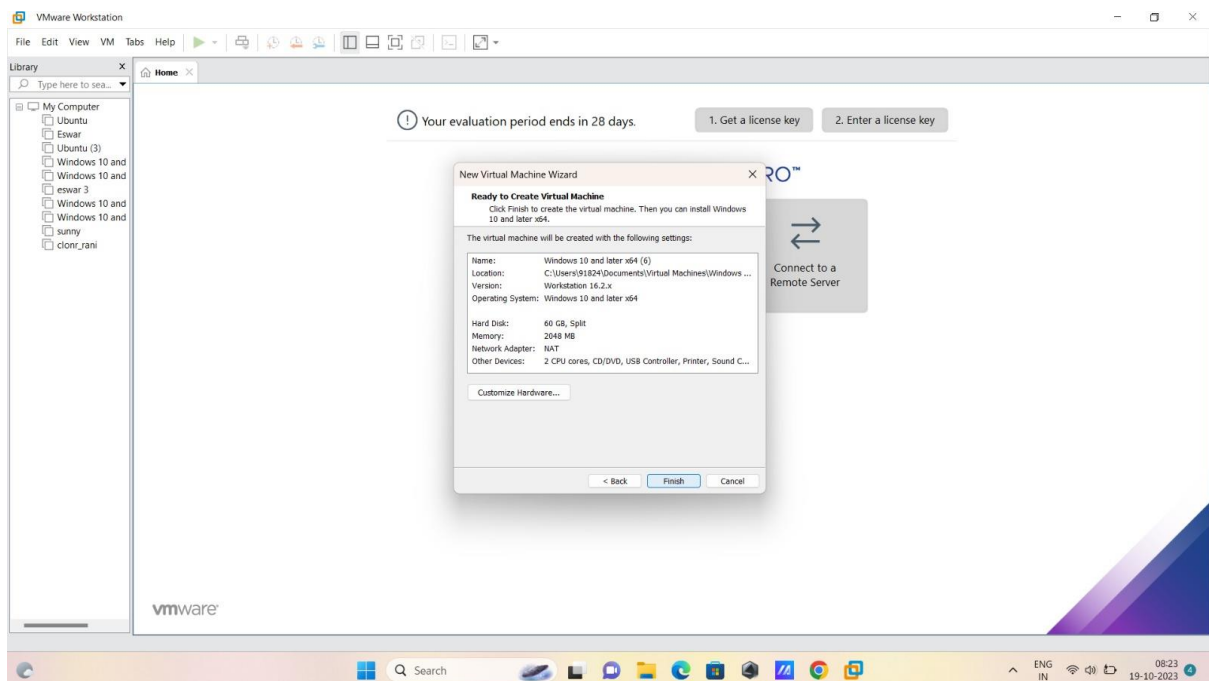
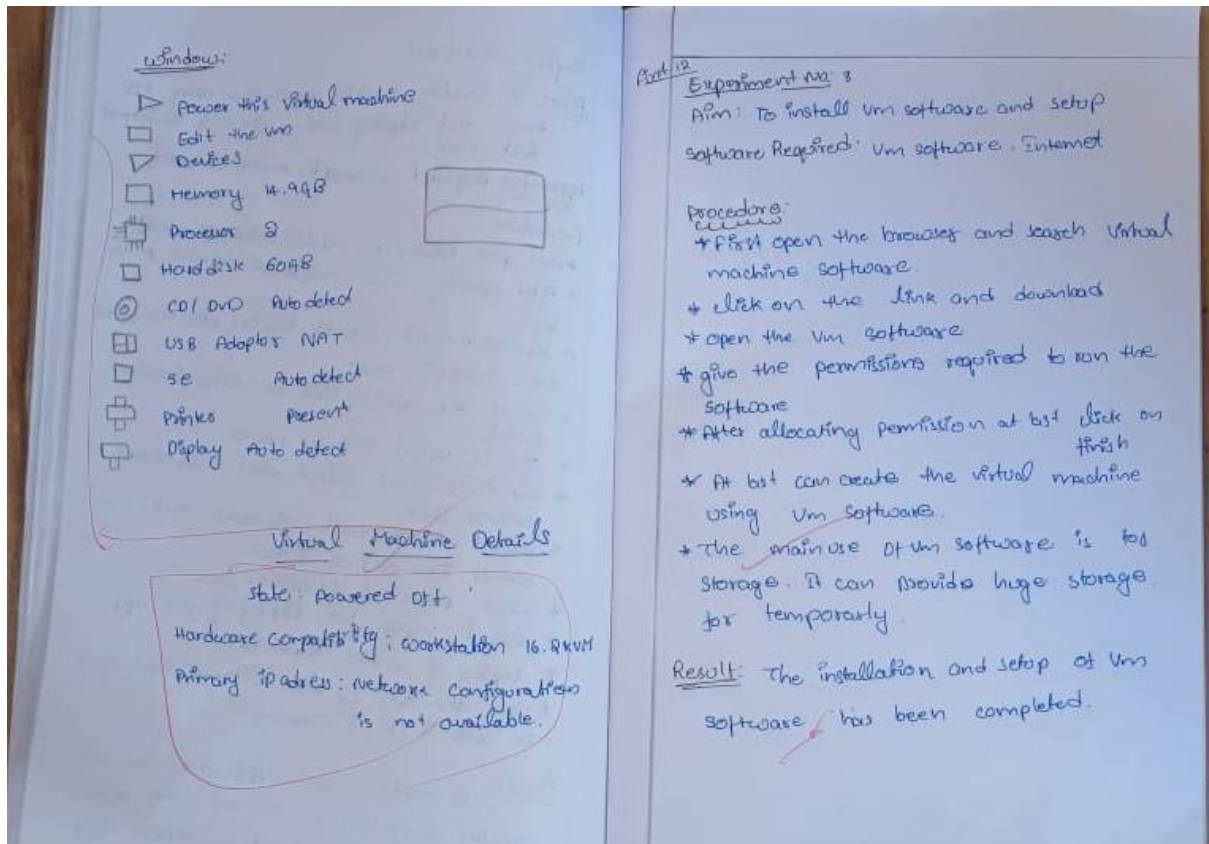
**Result:-** The installation and Setup of VM software has been completed successfully.





## Experiment NO:8

### 8.To install VM software and setup



## Experiment NO:9

### 9.To create clone and snapshot using VM software

Windows 10

▷ Power on the machine

- Edit the VM
- ▽ Devices
- Memory 14.9 GB
- ⚙️ Processor 2
- Hard disk 60 GB
- Ⓛ CD/DVD Auto
- 🌐 Network Adapter NAT
- 🖨️ Printer Present
- 🖥️ Display Auto detect

Cloning

▷ Power on the machine

- Edit this VM
- ⚙️ Devices
- Memory 14.9 GB
- ⚙️ Processor
- Hard disk
- Ⓛ CD/DVD Auto detect
- 🖨️ Printer Present
- 🖥️ Display Auto detect

Experiment NO 9

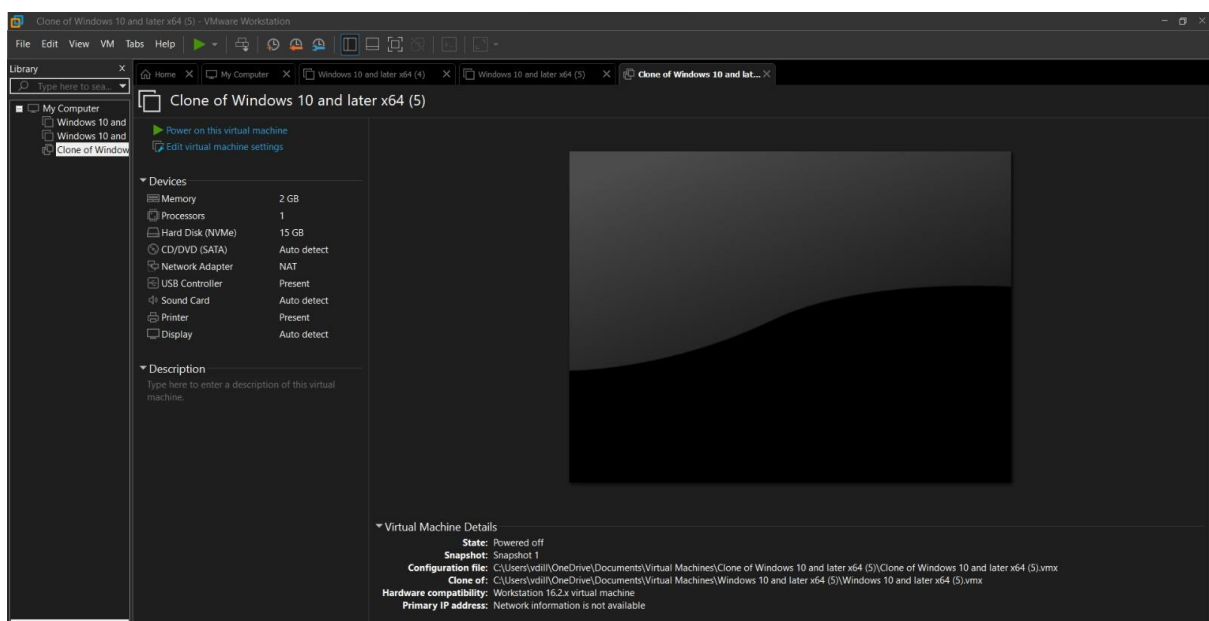
Aim: To create cloning and snapshot using VM software

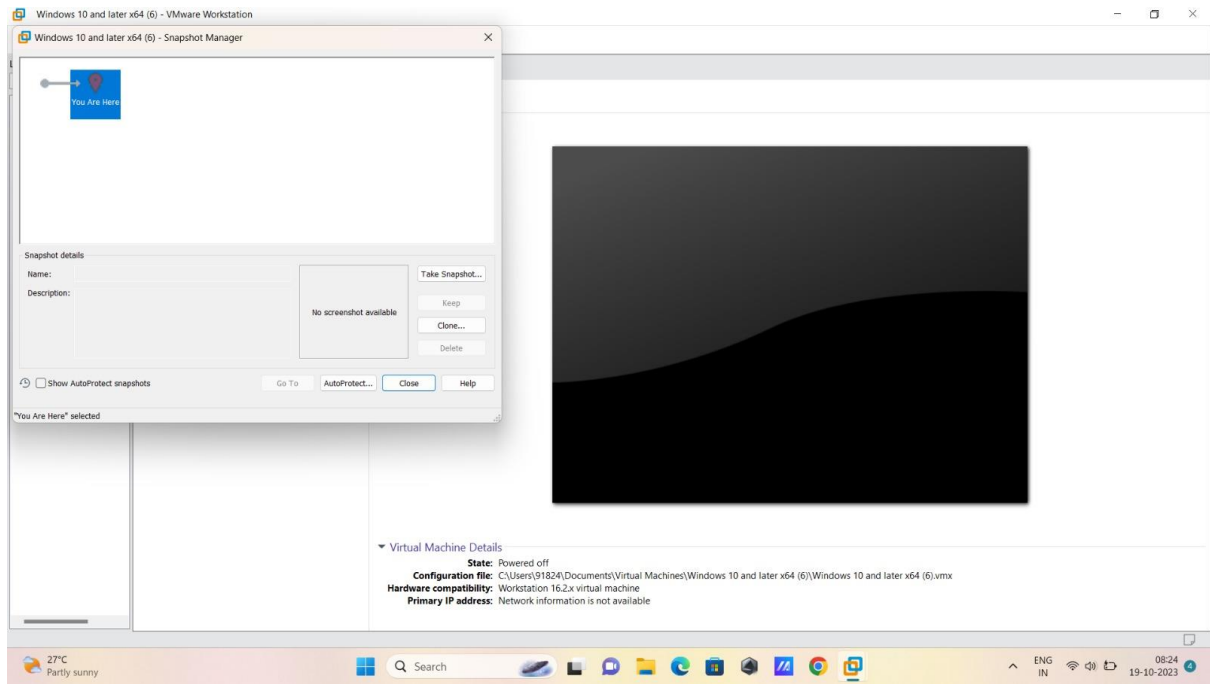
Apparatus Required: VM software, Internet

procedure:

- First download and install VM software
- setup and confirm access for VM software
- Opening VM create new virtual machine in VM software
- Use windows for creating virtual machine.
- After creating click on main tool
- scroll down and select manage option
- Next click on cloning option
- These are two types of cloning
  - \* partial cloning
  - \* full cloning
- To take snapshot click on VM tool
- select the snapshot option
- to run the cloning the system should be power off
- to view snapshot click on time symbol
- It stores our data

Result The creation of cloning and snapshot has been successfully created using VM software





## Experiment NO:10

### 10.Create virtual hard disk and allocate storage using VM

Windows 10

- ▶ Power on virtual machine
- ▶ Edit virtual machine
- ▶ Devices: 14.9 GB
- ▶ Processor: 2
- ▶ Hardware: 60 GB
- ▶ CD/DVD: Auto detect
- ▶ Network adapter: NAT
- ▶ USB controller: Present
- ▶ Sound card: Auto detect
- ▶ Printer: Present
- ▶ Display: Auto detect

VM Detail

State:   
Hardware compatibility: Workstation 16.0.4  
Primary ID: Network information not available

Experiment no. 10

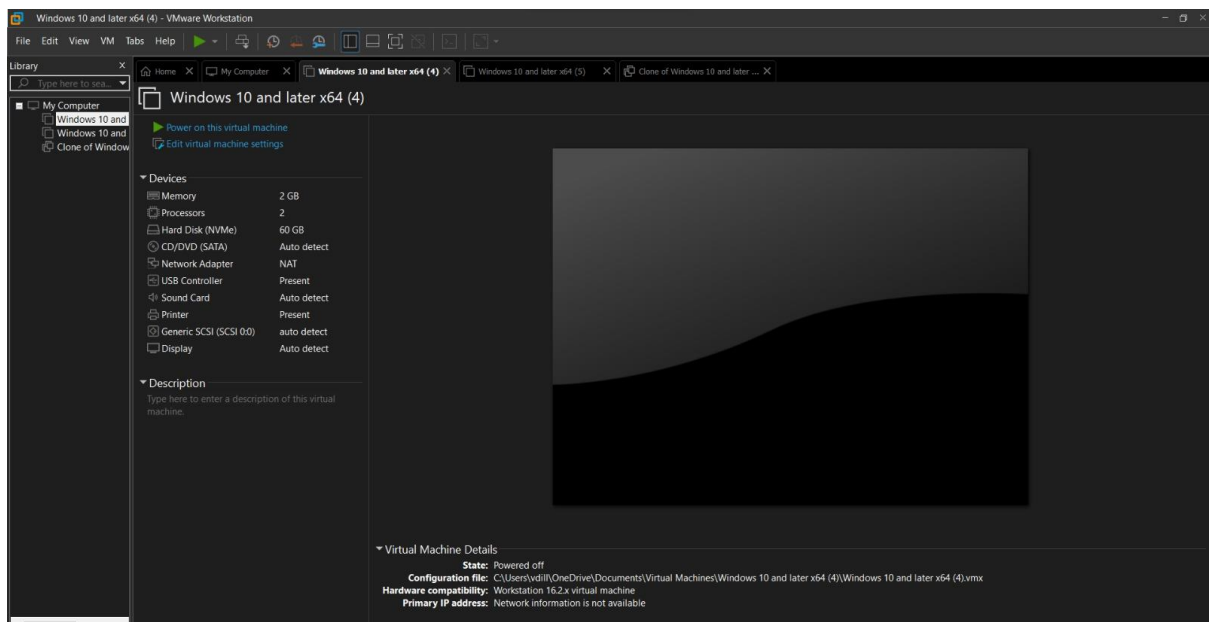
Aim: Create a virtual hard disk and allocate storage using VM software

Apparatus required: VM software, Internet

Procedure:

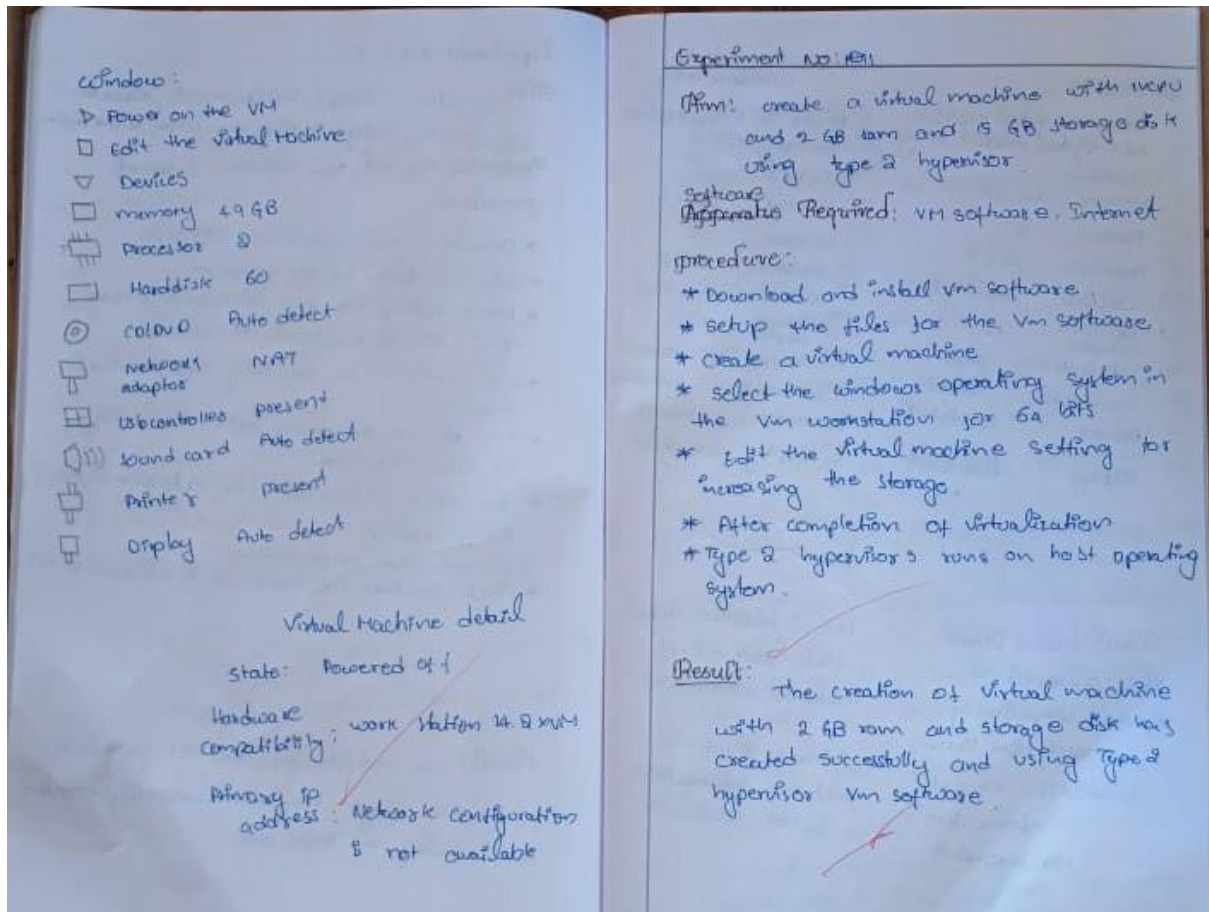
- \* Download and install VM software
- \* Setup the files for VM software
- \* After setting the VM software create new virtual machine in software
- \* Use windows for creating new virtual machine
- \* To allocate memory edit the settings of virtual machine
- \* In settings option add the extensions (SSC) for allocating
- \* At last click on OK button
- \* Check whether the hard disk is allocated or not.

Result: The creation of hard disk allocation the storage has been successfully created using VM software



## Experiment NO:11

11.Create virtual machine with 1CPU,15 GB storage using type 2 hypervisor.



Window:

- ▶ Power on the VM
- Edit the virtual machine
- ▼ Devices
  - memory 4.9 GB
  - Processor 2
  - Harddisk 60
  - ⊙ colouo Auto detect
  - network adaptor NAT
  - USB controller present
  - sound card Auto detect
  - Printer present
  - Display Auto detect

Virtual Machine detail

state: Powered off

Hardware compatibility: work station 14.0 x64

Primary IP address: Network configuration is not available

Experiment NO:11

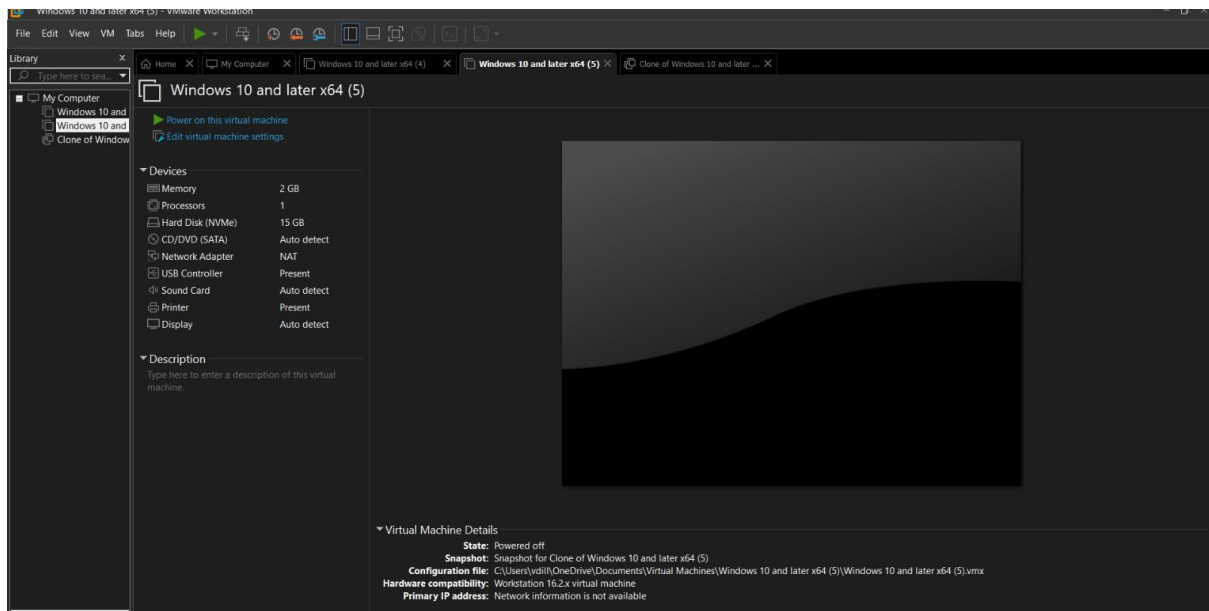
Aim: create a virtual machine with 1CPU and 2 GB ram and 15 GB storage disk using type 2 hypervisor.

Software Required: VM software, Internet

procedure:

- \* Download and install VM software
- \* Setup the files for the VM software
- \* Create a virtual machine
- \* select the windows operating system in the VM workstation for 64 bits
- \* Edit the virtual machine setting for increasing the storage
- \* After completion of virtualization
- \* Type 2 hypervisor runs on host operating system.

Result: The creation of virtual machine with 2 GB ram and storage disk has created successfully and using Type 2 hypervisor VM software.



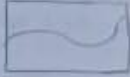


## Experiment NO:12

### 12.To create virtual machine with 15 GB storage for migration using VM

**Windows 10**


- Power on virtual machine
- edit virtual machine settings
- Detail
- Memory 49 GB
- Processor 8
- Harddisk 60 GB
- CD/DVD Auto detect
- Network Adapter NAT
- USB Controller Present
- Sound card Present
- Printer Auto detect
- Display Auto detect



Virtual Machine Detail  
State: powered off  
Software compatibility by Workstation Version  
IP address: Network information is not available

**Windows 10**

- Power on virtual machine
- edit virtual machine settings
- Detail
- Memory 49 GB
- Processor 8
- Harddisk 60 GB
- CD/DVD Auto detect
- Network Adapter NAT
- USB Controller Present
- Sound card Auto detect
- Printer Present
- Display Auto detect



Virtual Machine detail  
State: powered off  
Hardware compatibility by Workstation Version  
Primary IP address: Network information is not available

**Experiment No: 12**

**Aim:** To create VM to migrate with 15 GB storage using VM software.

**Software Required:** VM software, Internet

**procedure:**

- \* Download and install the VM software
- \* create the new virtual machine for windows
- \* select the configuration to choose typical configuration for setup
- \* select the guest operating system for migrating the storage.
- \* so the create virtual machine another for migrating
- \* check the migration for the storage an existing VM to the VM and power on it.
- \* The storage is not migrate because it don't hardware properties regarding to it.
- \* so, it is not possible

**Result:** The storage migration from one machine to another machine is not possible due to its hardware properties.

