17/10/23

Creating web API for Car booking system

①

Aim: To create web API for car booking Reservation system

Apparatus: zoho website, Internet

Procedure:

→ First open zoho website and enter the Credientials required.

→ Next after creating account open creator

→ Create an application for Car booking reservation.

→ After creating it takes to fields required to insert

→ Insert details required according to given.

→ After completing, press done and click on access the file.

→ There should be related information to fields given.

→ open application after accessing, Fill details like Name, E-mail id, phone no etc.

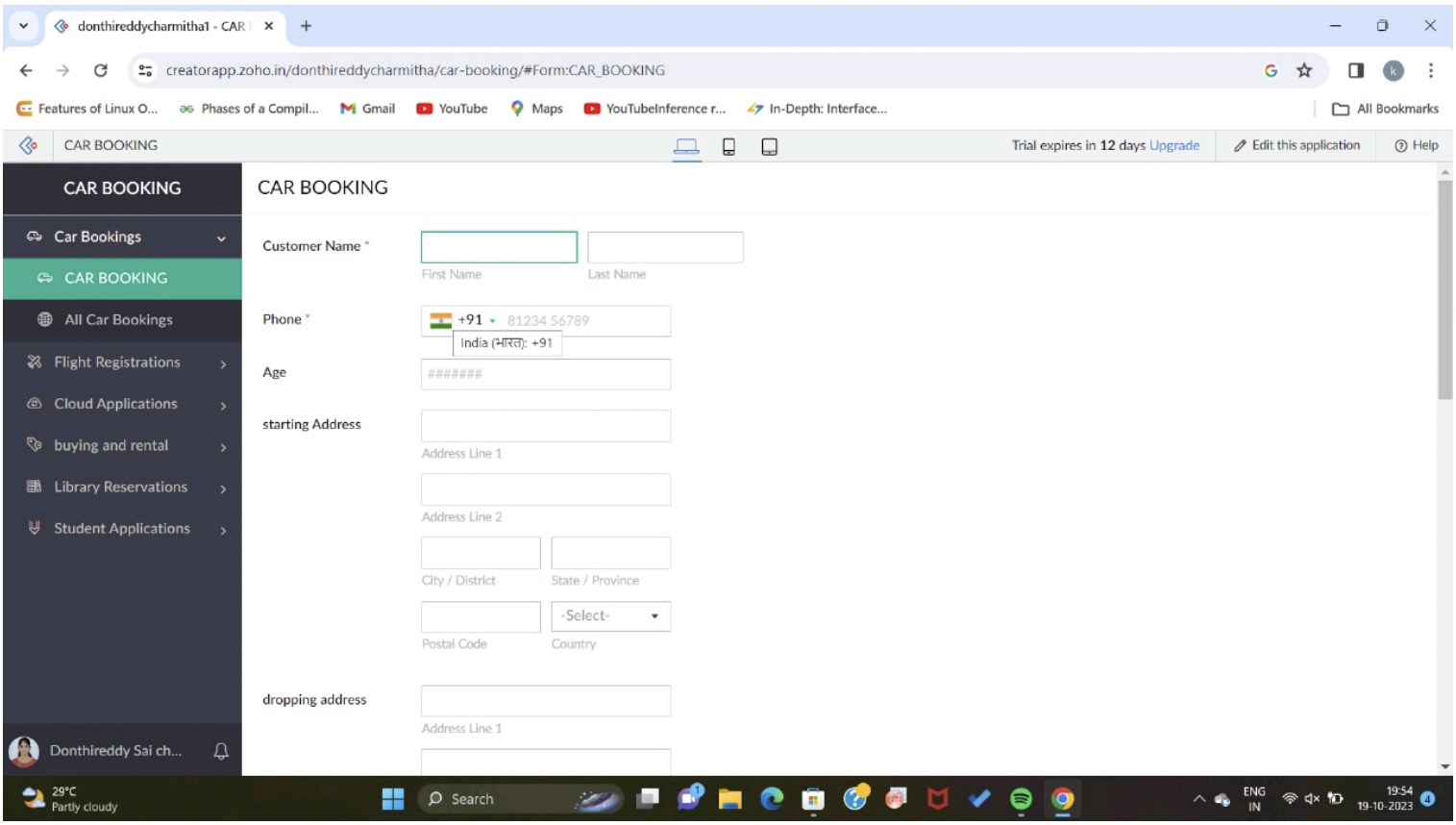
→ After filling details click on submit

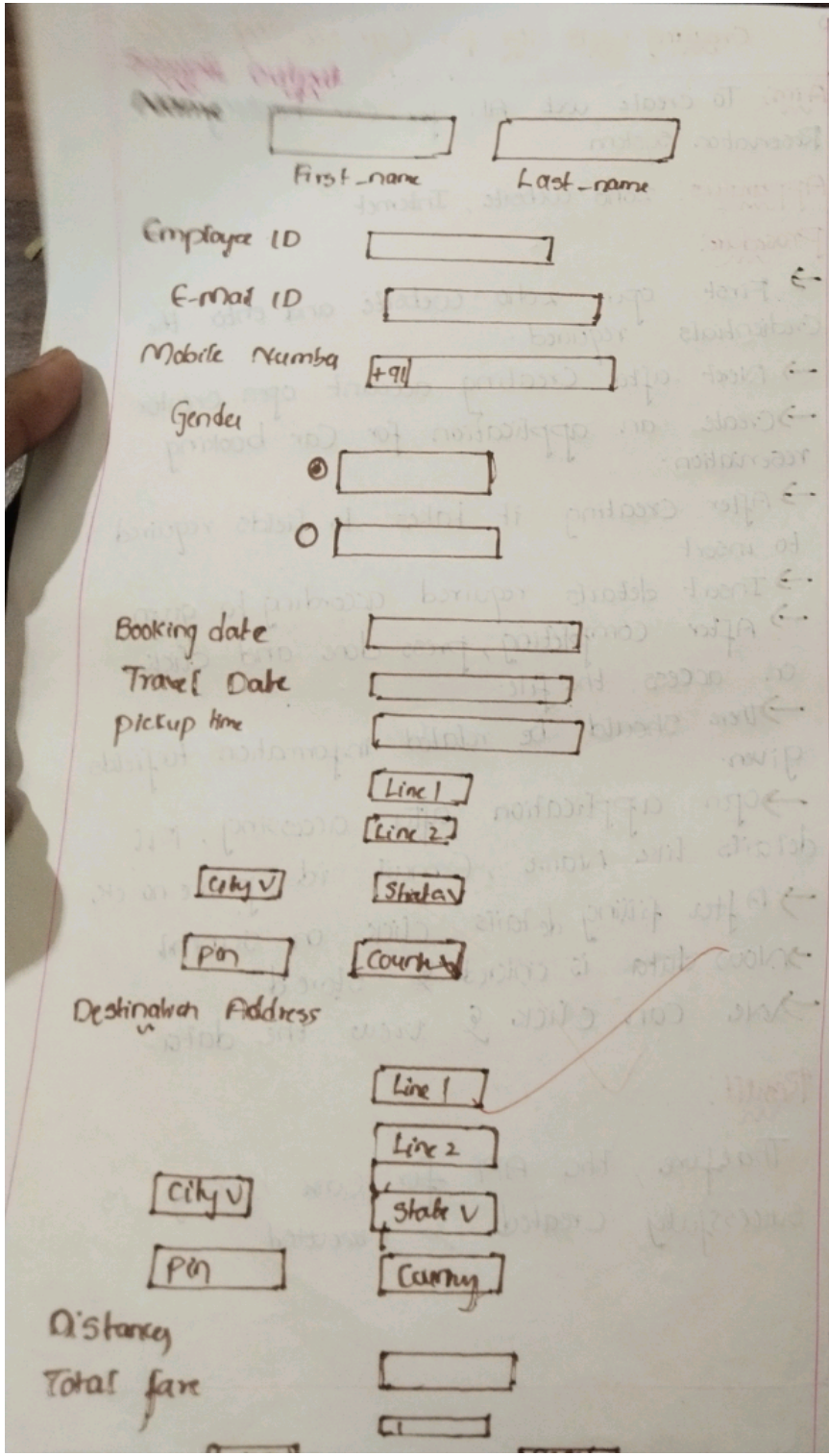
→ Now data is entered & stored

→ We can click & view the data.

Result:

Therefore, the API for Car booking is successfully created & executed.


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:CAR_BOOKING
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
CAR BOOKING
All Car Bookings
Flight Registrations
Cloud Applications
buying and rental
Library Reservations
Student Applications
Donthireddy Sai ch...
CAR BOOKING
Customer Name *
First Name
Last Name
Phone *
+91
81234 56789
India (भारत): +91
Age
#######
starting Address
Address Line 1
Address Line 2
City / District
State / Province
Postal Code
-Select-
Country
dropping address
Address Line 1
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023



Creating Aweb API for flight reservation system

② **Aim:** To create web API for flight reservation system

Apparatus: zoho website, Internet

Procedure:

→ First open zoho website and enter credentials required

→ After creating account click on creater option

→ Create 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, proof, Time of boarding, place of boarding, & landing

→ After adding click on done and press on access file application.

→ Open the application afta accessing

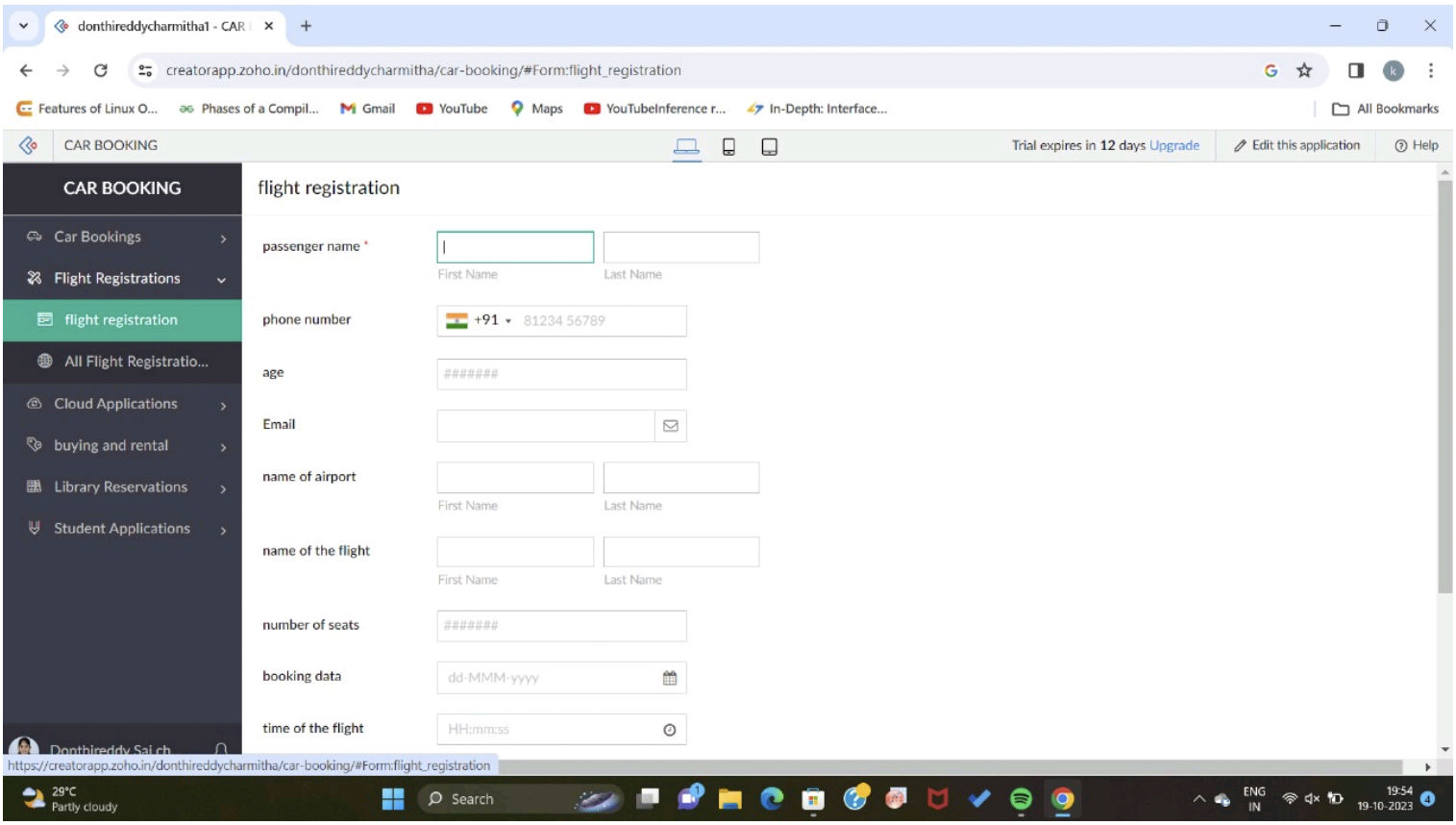
→ Fill the details in application.

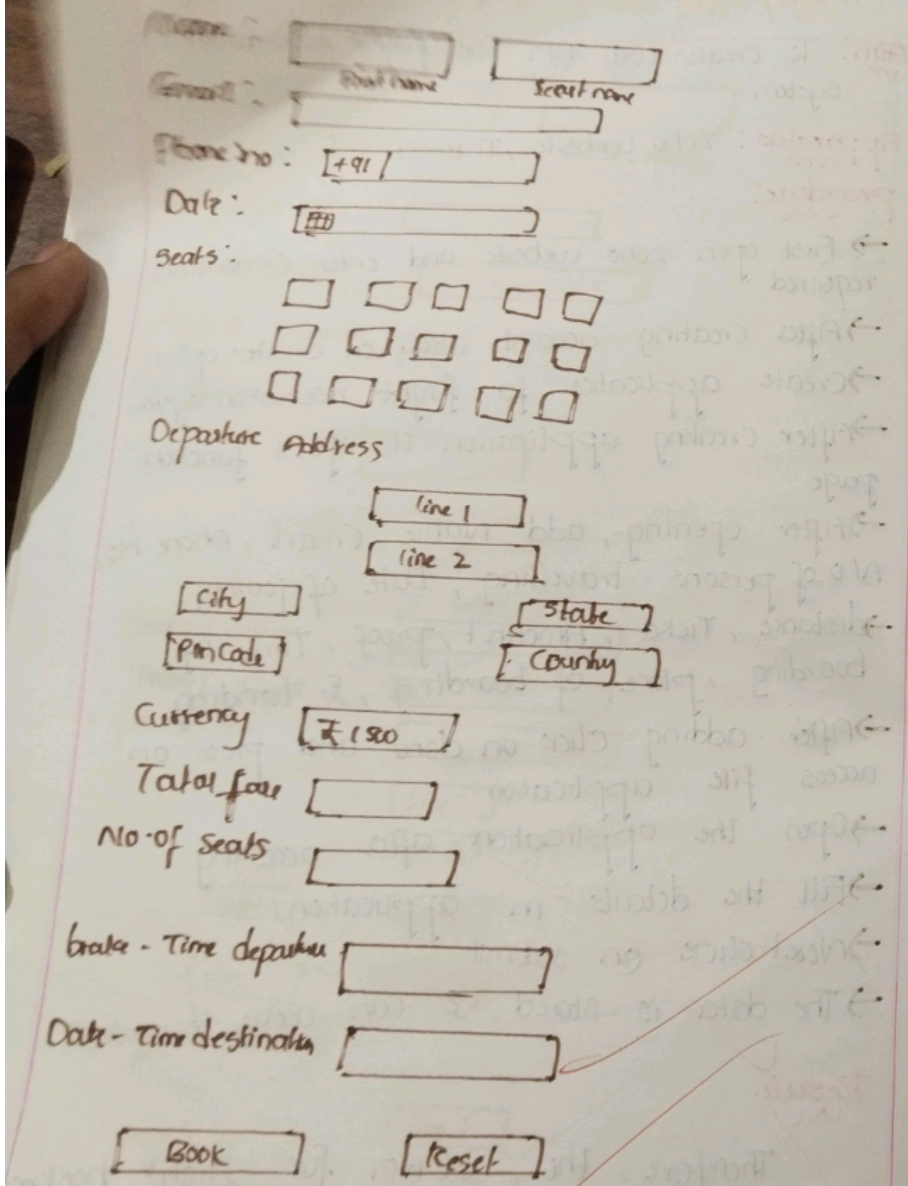
→ Next click on submit

→ The data is stored & can view it.

Result:

Therefore, the web API for flight booking is successfully created & executed


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:flight_registration
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
Flight Registrations
flight registration
All Flight Registratio...
Cloud Applications
buying and rental
Library Reservations
Student Applications
Donthireddy Sai ch
flight registration
passenger name *
First Name
Last Name
phone number
+91
81234 56789
age
#######
Email
name of airport
First Name
Last Name
name of the flight
First Name
Last Name
number of seats
#######
booking data
dd-MMM-yyyy
time of the flight
HH:mm:ss
https://creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:flight_registration
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023



Creating Web API for Property Buying & rental process

③

Aim: To create web API for property Buying & Rental process

Apparatus required: Zoho website, Internet

Procedure:

→First open zoho website and enter the credentials required.

→After creating account, click on create option.

→Create an application for property buying and rental process.

→After creating application it opens function page.

→Next add the functions like Name, Email, property value, proofs, place of property, lease, rent, payment

→After adding functions. click on done & select accessing file application.

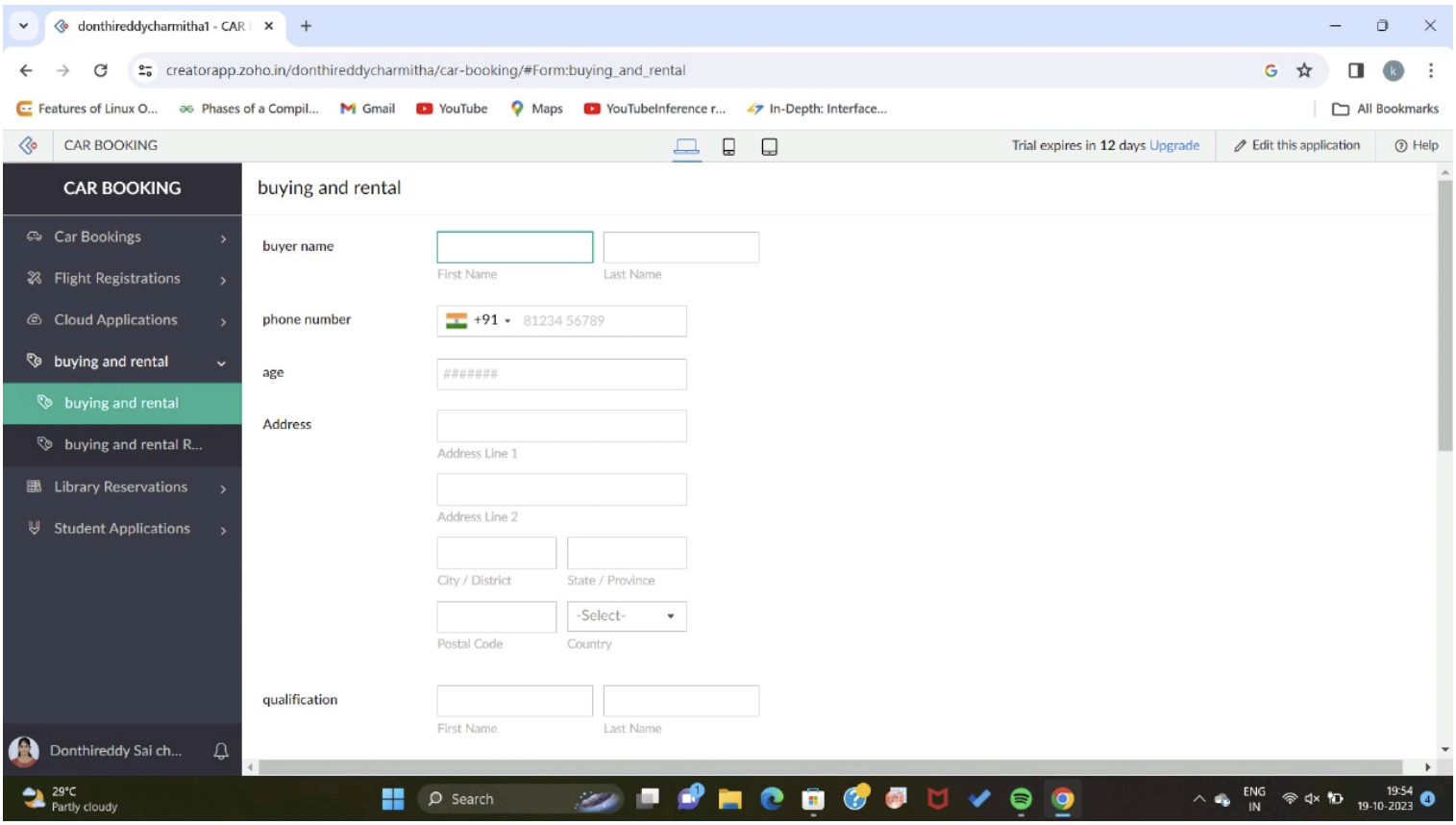
→Next open application & fill the details

→After filling details click on submit

→ The data is stored & can view it.

Result:

Therefore, the Web API for property Buying & rental is successfully created & executed.


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:buying_and_rental
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
Flight Registrations
Cloud Applications
buying and rental
buying and rental
buying and rental R...
Library Reservations
Student Applications
Donthireddy Sai ch...
buying and rental
buyer name
First Name
Last Name
phone number
+91
81234 56789
age
#######
Address
Address Line 1
Address Line 2
City / District
State / Province
Postal Code
-Select-
Country
qualification
First Name
Last Name
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023

Name :
First name
Last name

Email :

Phone No : +91

◉ male ○ Female

Residential ID :

Sq : Fee

Amount per feet

Total fare

Creating webAPI for library book system

(9) **Aim:** To create web API for library book reservation system

Apparatus required: Zoho website, Internet

Procedure:

→ First open zoho website and enter the credentials required.

→ Next after creating account & browse create open click on it

→ Create application form for books reservation system.

→ After creating application, it opens function page

→ Next add functions like Name, Email, phone No, Books, payment, No of days, Availability, Signature

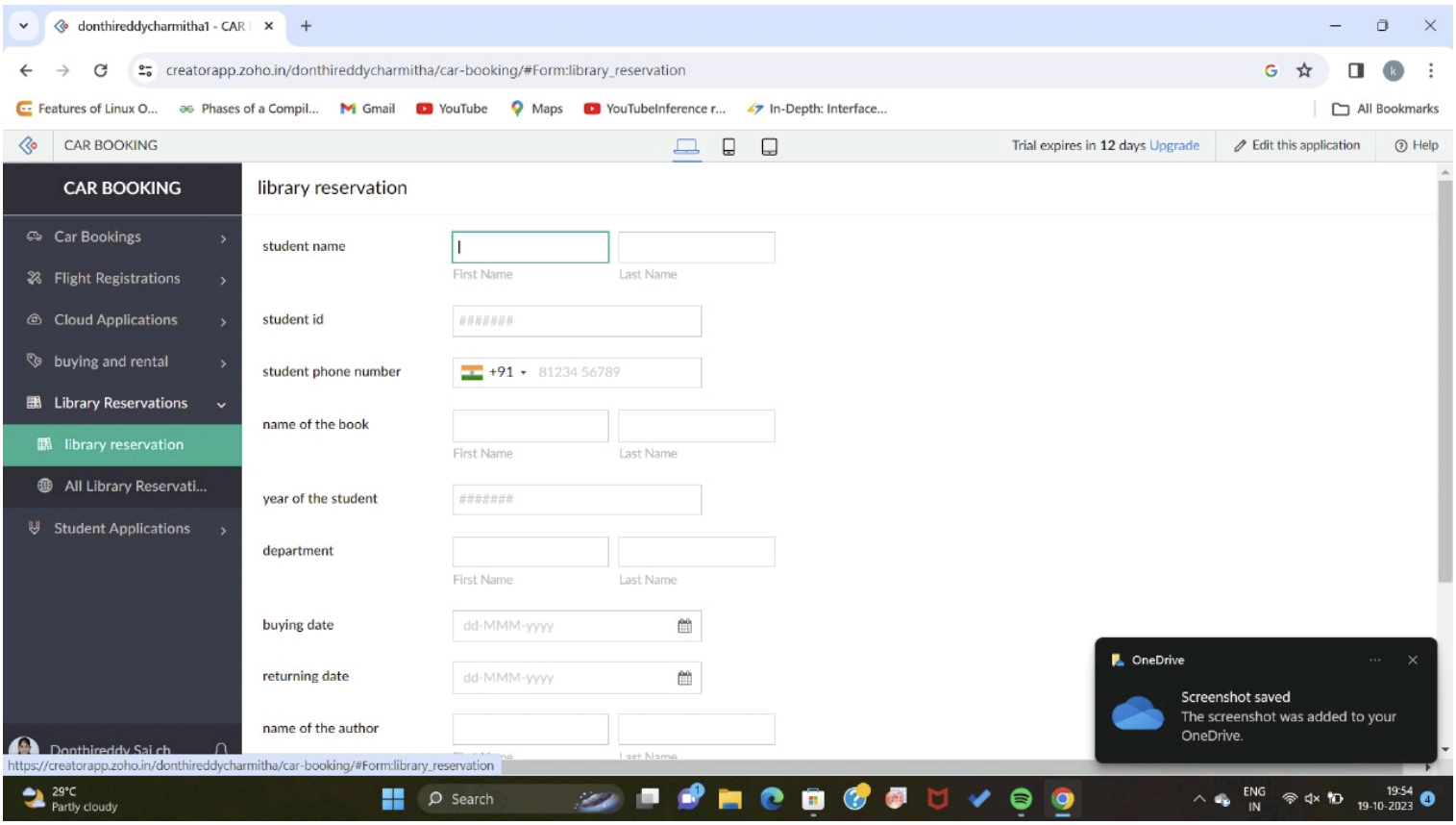
→ After adding functions click on done & select access application file.

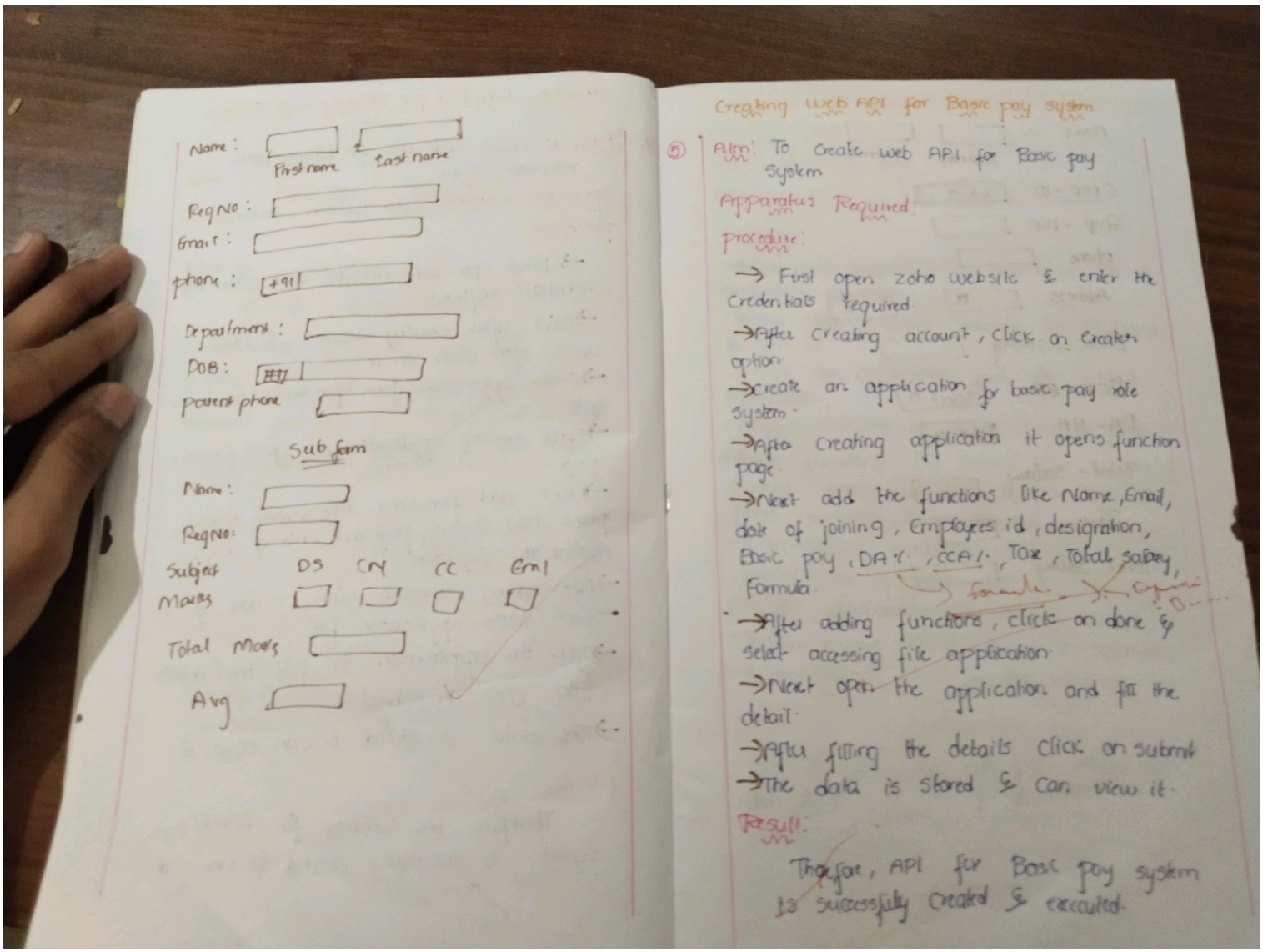
→ open the application & fill the details later click on submit

→ The data is stored & can view it.

Result:

Therefore, the webAPI for Library book system is successfully created & executed


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:library_reservation
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
Flight Registrations
Cloud Applications
buying and rental
Library Reservations
library reservation
All Library Reservati...
Student Applications
Donthireddy Sai ch
library reservation
student name
First Name
Last Name
student id
#######
student phone number
+91
81234 56789
name of the book
First Name
Last Name
year of the student
#######
department
First Name
Last Name
buying date
dd-MMM-yyyy
returning date
dd-MMM-yyyy
name of the author
OneDrive
Screenshot saved
The screenshot was added to your OneDrive.
https://creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:library_reservation
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023



Creating Web API for Basic pay system

⑤ **Aim:** To create web API for Basic pay system

Apparatus Required:

procedure:

→ First open zoho website & enter the credentials required.

→ After creating account, click on creator option

→ create an application for basic pay role 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 & select accessing file application

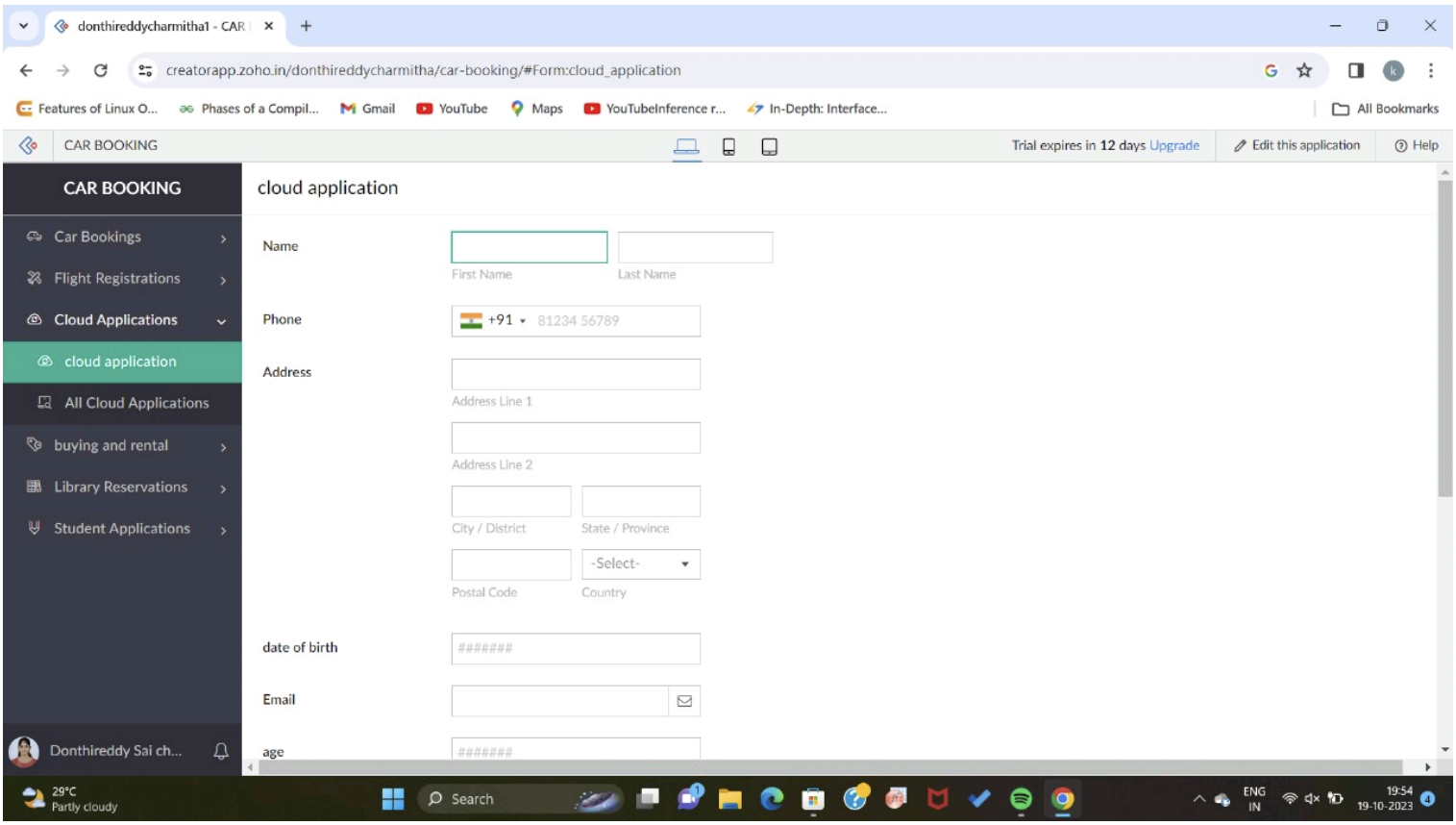
→ Next open the application and fill the detail.

→ After filling the details click on submit

→ The data is stored & can view it.

Result:

Therefore, API for Basic pay system is successfully created & executed.


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:cloud_application
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
Flight Registrations
Cloud Applications
cloud application
All Cloud Applications
buying and rental
Library Reservations
Student Applications
Donthireddy Sai ch...
cloud application
Name
First Name
Last Name
Phone
+91
81234 56789
Address
Address Line 1
Address Line 2
City / District
State / Province
Postal Code
-Select-
Country
date of birth
#######
Email
age
#######
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023

Name [Firstname] [Lastname]

Emp - ID [xxx]

Emp - DEP [ ]

phone [ ]

Address [ ] [ ]

Basic - salary [ ]

ICCA - BB [Select ∧]

DA - BB [Select ∧]

Total - salary [ ]

Tax [ ]

Total Salary [ ]

Creating Web API for student information system

⑥

Aim: To create web API for student

Appuratus Required: Zoho website, internet

Procedure:

→ First open zoho website and enter the credentials required.

→ Next after creating account browse create & open it.

→ Create an application form for student information.

→ After creating it, opens function page.

→ Add functions like Name, Mail, ID, No of Students, marks for each subject, Total, Age, Phone no, Gender, Father, Mother name.

→ After adding functions, click on done & select access application file.

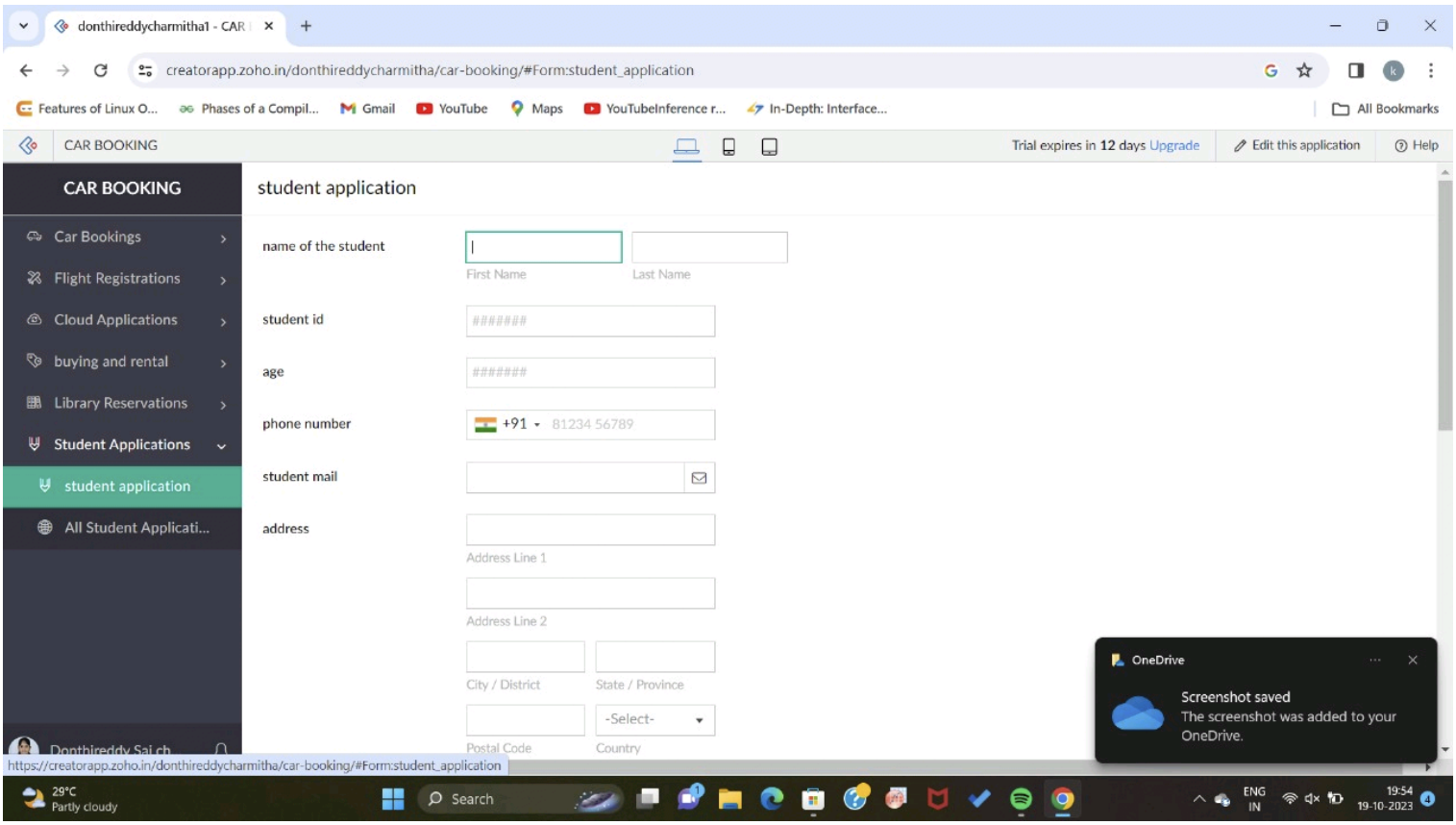
→ Open application file & fill details.

→ After filling details, click on submit.

→ The data is stored & can view it.

Result:

Therefore, the API for student information system is successfully created.


donthireddycharmitha1 - CAR
creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:student_application
Features of Linux O...
Phases of a Compil...
Gmail
YouTube
Maps
YouTubeInference r...
In-Depth: Interface...
All Bookmarks
CAR BOOKING
Trial expires in 12 days Upgrade
Edit this application
Help
CAR BOOKING
Car Bookings
Flight Registrations
Cloud Applications
buying and rental
Library Reservations
Student Applications
student application
All Student Applicati...
Donthireddy Sai ch
student application
name of the student
First Name
Last Name
student id
#######
age
#######
phone number
+91
81234 56789
student mail
address
Address Line 1
Address Line 2
City / District
State / Province
-Select-
Postal Code
Country
OneDrive
Screenshot saved
The screenshot was added to your OneDrive.
https://creatorapp.zoho.in/donthireddycharmitha/car-booking/#Form:student_application
29°C
Partly cloudy
Search
ENG
IN
19:54
19-10-2023

Name [xxx] [xxx]

Reg No [xxx]

Department [xxx]

Date [select]

Book_name [ ]

Submitted Date [select]

phone_no [ ]

price [ ]

Total_Books [xxx]

To install VM workstation & allocate the storage

① **Aim:** To install vm workstation software & create (or) allocate the storage

Apparatus required: Vm software, internet

Procedure:

→ First open browser and search vm work-station software.

→ Download and install the Vm work station software

→ Download the os image of kali linux & ubuntu

→ open vm software & run software.

→ provide permissions required to run software

→ Create the new virtual machine in software.

→ Next select type recommended for software

→ place the os image downloaded file in given option.

→ Select the operating system & click next.

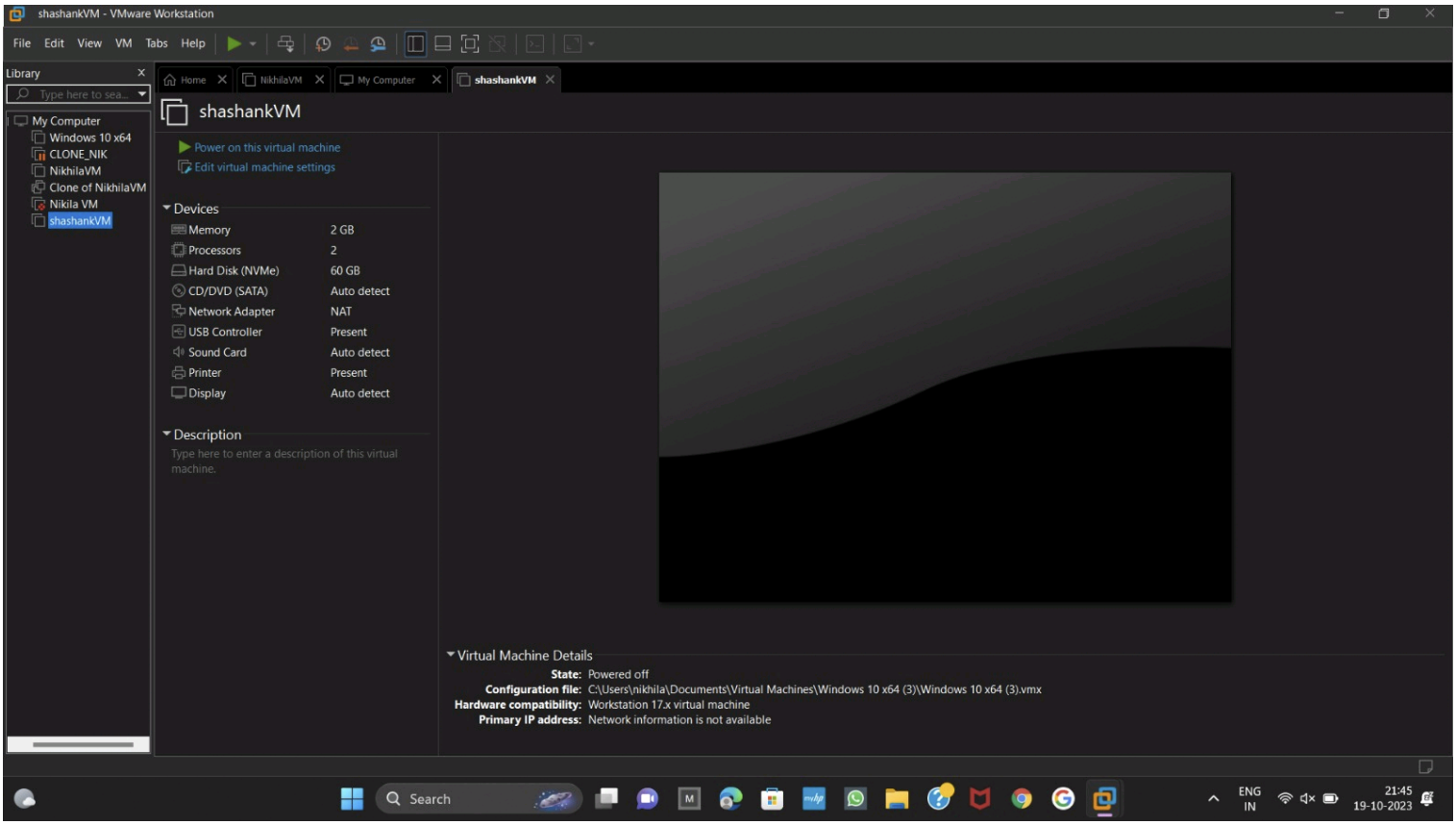
→ It displays the location of file.

→ Next select the maximum size for storage & click next.

→ Later click on the finish.

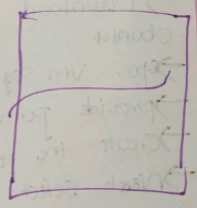
Result:

Therefore, the vm workstation software is installed & storage is been allocated


shashankVM - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Windows 10 x64
CLONE_NIK
NikhilaVM
Clone of NikhilaVM
Nikila VM
shashankVM
Home
NikhilaVM
My Computer
shashankVM
shashankVM
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Details
State: Powered off
Configuration file: C:\Users\nikhila\Documents\Virtual Machines\Windows 10 x64 (3)\Windows 10 x64 (3).vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available
Search
ENG
IN
21:45
19-10-2023

- Power on Virtual Machine
- Edit Virtual machine Settings

Device		
Memory	15GB	
Processor	2	
Hardware	20GB	
CD/DVD	Auto Detect	
Network Adapter	NAT	
USB Controller	present	
Sound Card	Autodetect	
Printer	present	
Display	Autodetect	



Virtual machine detail

State : power off

Configuration file : C:\Users\91894\Docume

Hardware compatibility : workstation. 16·2 vm

primary IP address : Network information

Create a snapshot & Test it by previous version?

⑧ Aim: To create a snapshot & test to see if deleted content are restored after reloading saved version of the OS.

Procedure:

→ Install vm workstation software, → Create Virtual machine

→ Create a snap shot of vm

→ Deleted few files & restore the snapshot by launching snapshot first go to window

Given To take snapshop first go to window

→ Give right click, then we will get option Snapshot.

→ In snapshot select take a snapshot name it.

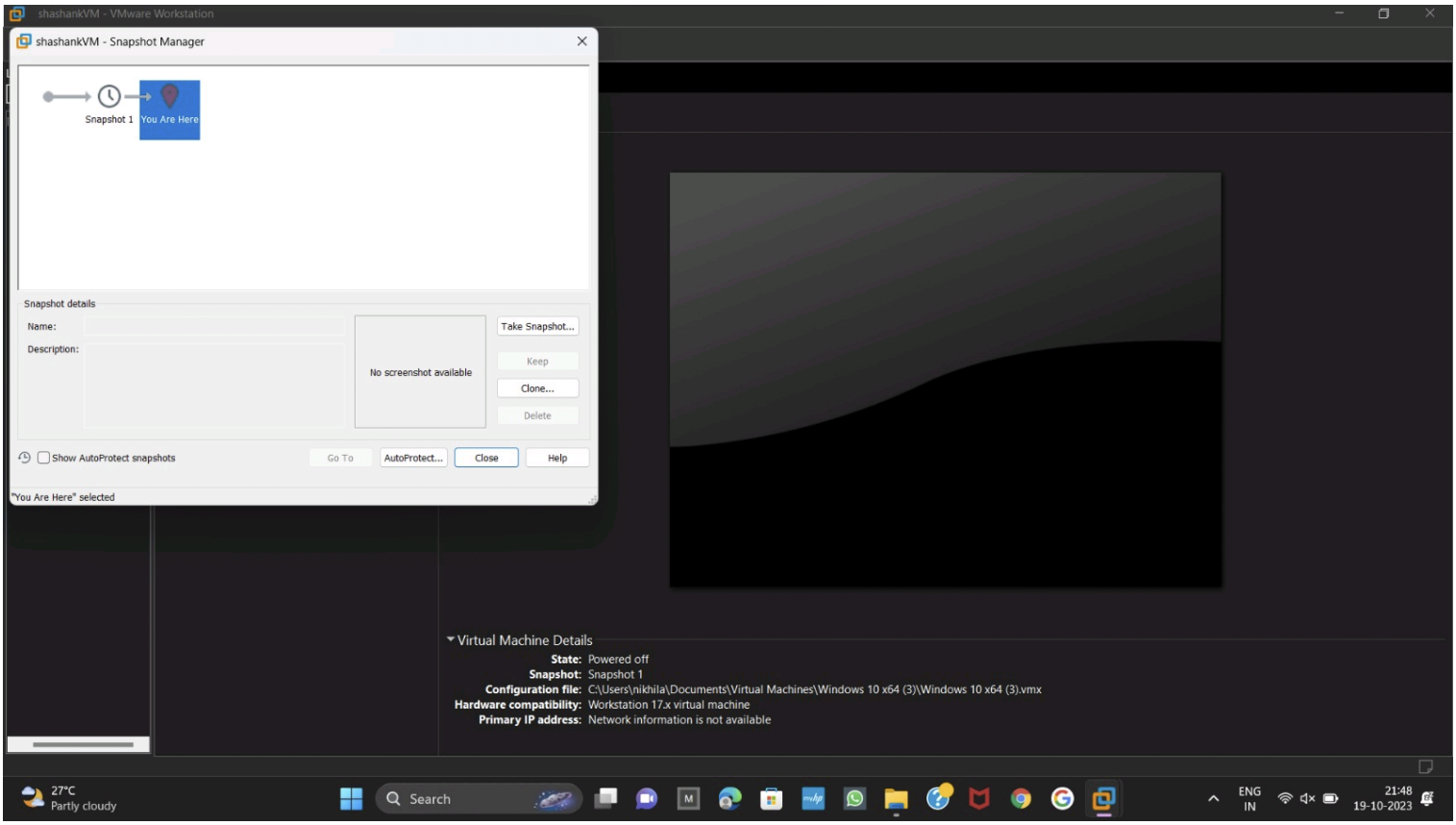
→ Then go to Snapshot manager which on top of the page

→ Select snapshot which we have named

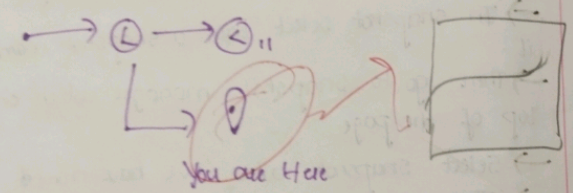
→ The snapshot is created.

Result:

The snapshot of the vm has been implemented & tested successfully.


shashankVM - VMware Workstation
shashankVM - Snapshot Manager
Snapshot 1
You Are Here
Snapshot details
Name:
Description:
No screenshot available
Take Snapshot...
Keep
Clone...
Delete
Show AutoProtect snapshots
Go To
AutoProtect...
Close
Help
"You Are Here" selected
Virtual Machine Details
State: Powered off
Snapshot: Snapshot 1
Configuration file: C:\Users\nikhila\Documents\Virtual Machines\Windows 10 x64 (3)\Windows 10 x64 (3).vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available
27°C
Partly cloudy
Search
ENG
IN
21:48
19-10-2023

- power on virtual machine
- Edit virtual machine setting
- CD/DVD Auto Detect



- pause
- power on/off

Virtual machine details

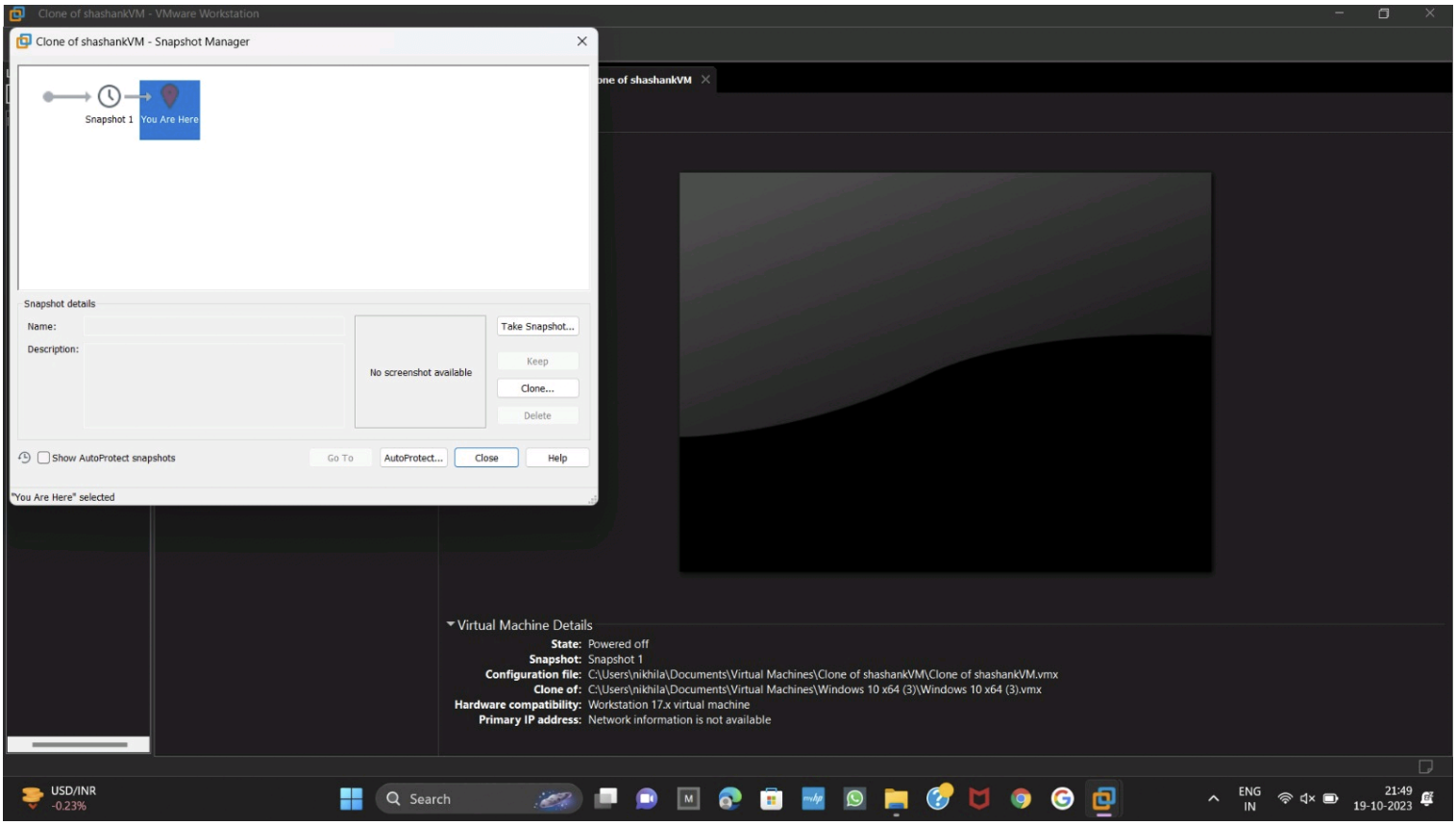
Status - power off
Configuration file : C:\Users\91894\Documents
Hardware Compatibility : workstation 16.2 vm
primary IP address : Network information not available.

Create a cloning of a vm and Test it by loading previous version?

Aim: To create a clone version of existing virtual machine & open it from storage

Procedure:
→ Install vm workstation software
→ Create Virtual machine
→ Create a clone version of the vm
→ Stop the process of running
→ Go to window name select Snapshot.
→ Select "Revest to Snapshot"
→ Then again shut down the Guest
→ Go to manage & Select clone
→ Give Next → Next → Finish → close
→ The clone of Virtual machine is created

Result:
Thus the clone of the vm has been implemented & Tested successfully.


Clone of shashankVM - VMware Workstation
Clone of shashankVM - Snapshot Manager
Snapshot 1
You Are Here
Snapshot details
Name:
Description:
No screenshot available
Take Snapshot...
Keep
Clone...
Delete
Show AutoProtect snapshots
Go To
AutoProtect...
Close
Help
"You Are Here" selected
Virtual Machine Details
State: Powered off
Snapshot: Snapshot 1
Configuration file: C:\Users\nikhila\Documents\Virtual Machines\Clone of shashankVM\Clone of shashankVM.vmx
Clone of: C:\Users\nikhila\Documents\Virtual Machines\Windows 10 x64 (3)\Windows 10 x64 (3).vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available
USD/INR
-0.23%
Search
ENG
IN
21:49
19-10-2023

EFI Shell version 2.70

Current running mode 1.1.2

device mapping table

blk0 - block device - Alias (null)

blk1 - block device - Alias (null)

Shell > echo "hi sha"

Output: = hi sha

Create a Configuration to increase & decrease the size screen?

10.

Aim: To create a configuration to increase & decrease the screen size

Procedure:

→ Install vm workstation software

→ Create virtual machine

→ Create a configuration to increase & decrease the screen size

→ Select "Enter setup" in Boot manager.

→ After that, select "Configure screen size" in Boot maintenance manager & give enter

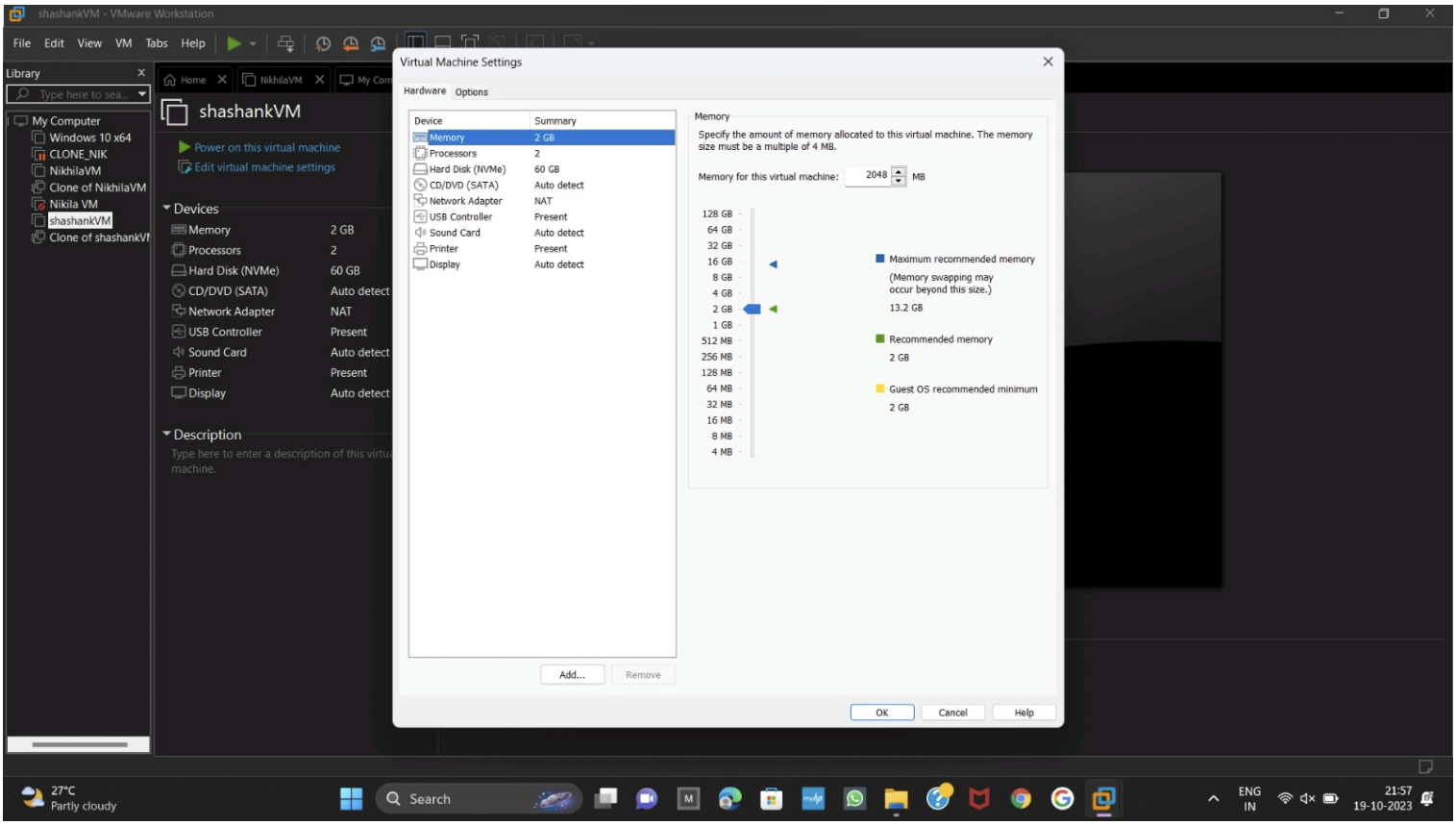
→ Set screen size & press Enter.

→ Select commit changes & exit

→ The screen size is increased

Result:

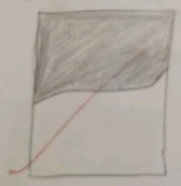
Thus the size of the screen is increased & decreased successfully.


shashankVM - VMware Workstation
File Edit View VM Tabs Help
Library
My Computer
Windows 10 x64
CLONE_NIK
NikhilaVM
Clone of NikhilaVM
Nikila VM
shashankVM
Clone of shashankVM
Home
NikhilaVM
shashankVM
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Settings
Hardware
Options
Device
Summary
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Add...
Remove
Memory
Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.
Memory for this virtual machine: 2048 MB
128 GB
64 GB
32 GB
16 GB
8 GB
4 GB
2 GB
1 GB
512 MB
256 MB
128 MB
64 MB
32 MB
16 MB
8 MB
4 MB
Maximum recommended memory
(Memory swapping may occur beyond this size.)
13.2 GB
Recommended memory
2 GB
Guest OS recommended minimum
2 GB
OK
Cancel
Help
27°C
Partly cloudy
Search
ENG
IN
21:57
19-10-2023

Power on virtual machine

Edit virtual machine

Device	11.9GB
Processor	2
Hard disk	60GB
CD/DVD	Auto detect
Network adapter	NAT
USB Controller	present
Sound Card	Auto detect
Printer	present
Display	Auto detect



VM detail

State: power off

Hardware compatibility: workstation 16.2 VM

Primary IP: Network information not available.

(5) Create a virtual machine with 1vcpu, 8GB Ram and 15GB storage disk using a type-2 virtualization software?

Aim: To create a vm using of vmware workstation box with 1vcpu, 8GB Ram and 15GB storage and launch it

procedure

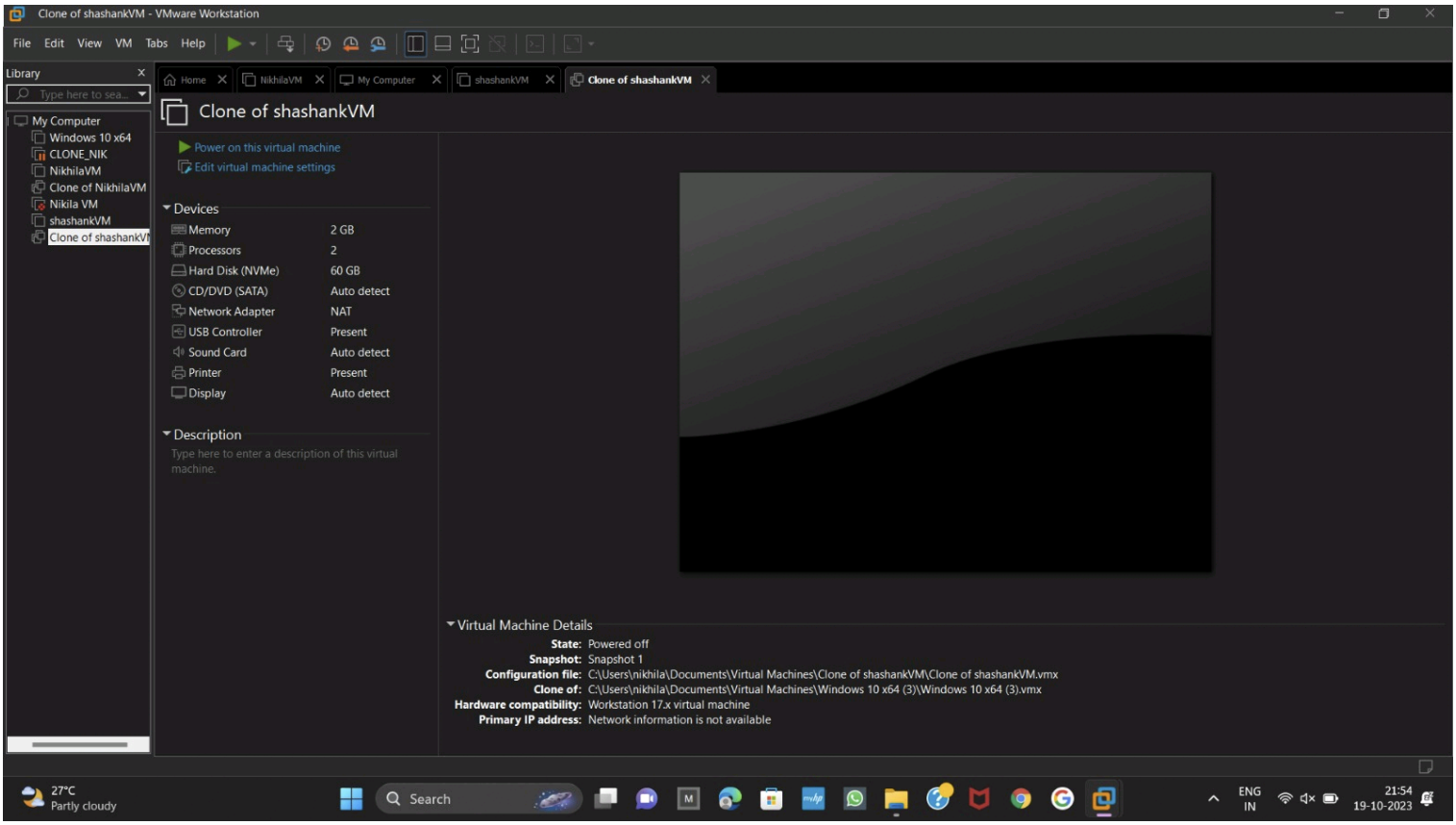
→ Install the virtualization software vm ware workstation as type 2

→ Download as OS image file

→ Configure the settings

→ Install the virtual machine & Launch.

Output: The vm using ubuntu image has been configured and installed on a type-2 hypervisor using vm ware workstation.


Clone of shashankVM - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to sea...
My Computer
Windows 10 x64
CLONE_NIK
NikhilaVM
Clone of NikhilaVM
Nikila VM
shashankVM
Clone of shashankVM
Home
NikhilaVM
My Computer
shashankVM
Clone of shashankVM
Clone of shashankVM
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Details
State: Powered off
Snapshot: Snapshot 1
Configuration file: C:\Users\nikhila\Documents\Virtual Machines\Clone of shashankVM\Clone of shashankVM.vmx
Clone of: C:\Users\nikhila\Documents\Virtual Machines\Windows 10 x64 (3)\Windows 10 x64 (3).vmx
Hardware compatibility: Workstation 17.x virtual machine
Primary IP address: Network information is not available
27°C
Partly cloudy
Search
ENG
IN
21:54
19-10-2023

→ power on this virtual machine

→ Edit this virtual machine setting

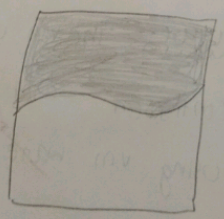
→ Devices

memory	2GB
processor	2
hard disk (SCSI)	20GB
CD/DVD	Auto detect
Network Adapter	NAT
USB controller	present
sound Card	Auto detect
printer	present
Display	Auto detect

virtual machine details

state powered off

configuration file:
C:\Users\91824\Document\VM



(12) Create a virtual hard disk and allocate the storage using vm ware workstation

Aim - To create a virtual hard disk for the given virtual machine and allocate around 10GB of storage from the physical hdd.

procedure

→ launch the vm using vm ware works workstation

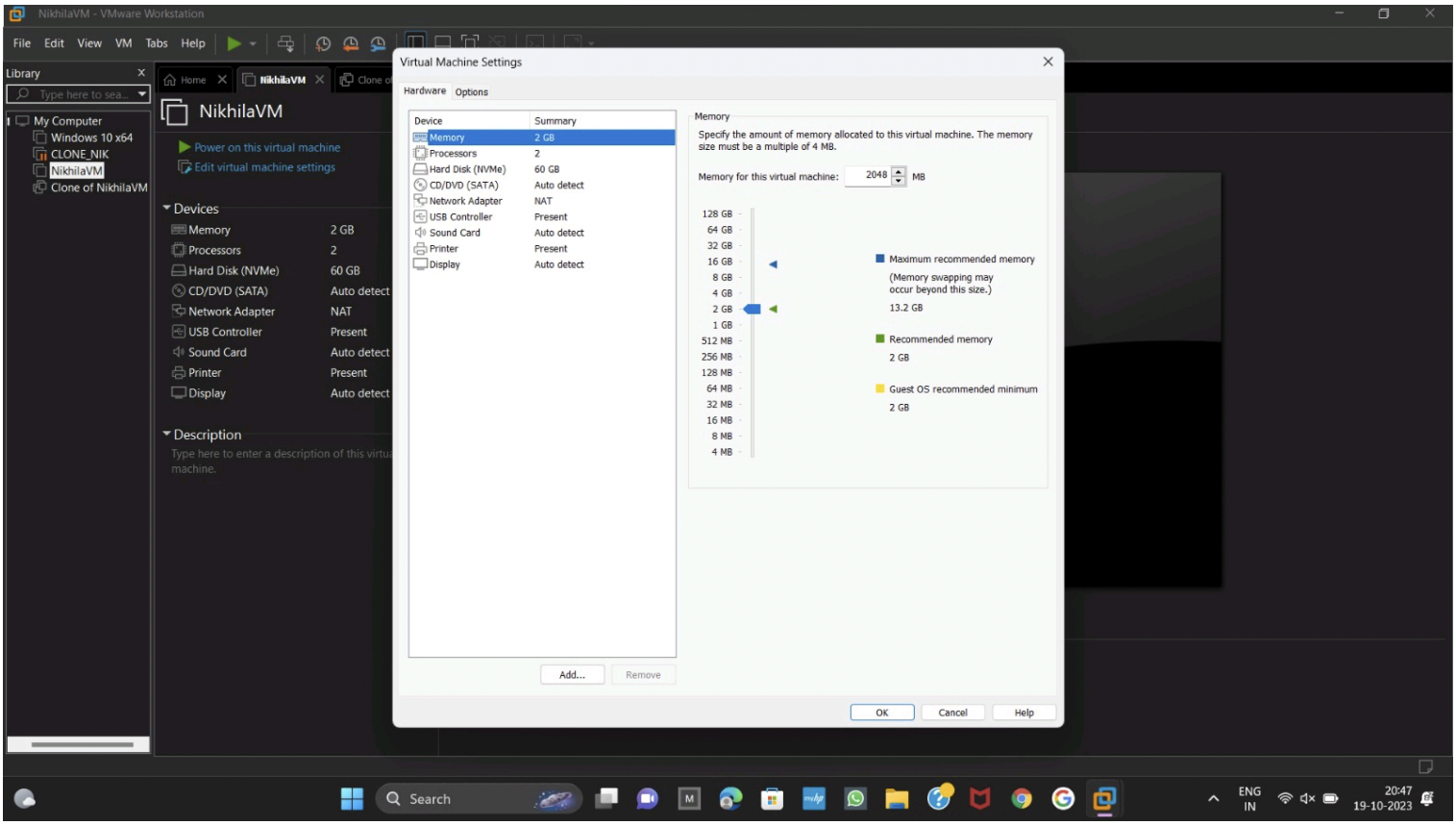
→ under customize hardware add storage.

→ select appropriate storage types.

→ finish the configuration of storage.

→ check to see if the addition as a hard disk is added in the vm.

output - An virtual hard disk has been added inside the vm machine.


NikhilaVM - VMware Workstation
File Edit View VM Tabs Help
Library
My Computer
Windows 10 x64
CLONE_NIK
NikhilaVM
Clone of NikhilaVM
Home
NikhilaVM
NikhilaVM
Power on this virtual machine
Edit virtual machine settings
Devices
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Description
Type here to enter a description of this virtual machine.
Virtual Machine Settings
Hardware
Options
Device
Summary
Memory 2 GB
Processors 2
Hard Disk (NVMe) 60 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Printer Present
Display Auto detect
Add...
Remove
Memory
Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.
Memory for this virtual machine: 2048 MB
128 GB
64 GB
32 GB
16 GB
8 GB
4 GB
2 GB
1 GB
512 MB
256 MB
128 MB
64 MB
32 MB
16 MB
8 MB
4 MB
Maximum recommended memory
(Memory swapping may occur beyond this size.)
13.2 GB
Recommended memory
2 GB
Guest OS recommended minimum
2 GB
OK
Cancel
Help
Search
ENG
IN
20:47
19-10-2023