

EXP NO 1: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION AND PROVIDE IT AS A SERVICE USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SOFTWARE AS A SERVICE (SAAS).

AIM:

To create a simple cloud software application and provide it as a service using any cloud service provider to demonstrate software as a service (saas).

PROCEDURE:

STEP1: Go to zoho .com

STEP 2: Login to zoho account and select creator

STEP 3: Go to creator,Select one application

STEP 4: Enter the application name

STEP 5: select from the scratch

STEP 6: Select one form,from a scratch and give name to the form

STEP 7: The application is selected and created.

STEP1: Go to zoho .com

The screenshot shows the Zoho homepage. At the top, there's a navigation bar with the Zoho logo, a search icon, and language settings (EN). Below the header, a large banner features the text "Your life's work, powered by our life's work". It includes a subtext about a unique and powerful software suite designed for businesses of all sizes, built by a company that values privacy. A red button labeled "ACCESS YOUR APPS >" is visible. To the right, there's a section titled "FEATURED APPS" with icons and names for CRM, Books, Mail, People, and Projects. Each app has a brief description and a "View" link.

STEP 2: Login to zoho account and select creator

The screenshot shows a search results page for "creator" on the Zoho website. The search bar at the top contains the word "creator". On the left, there are several program descriptions: "Bigin Digital Creators Program" (link to https://www.bigin.com/digital-creators-program.html), "Zoho Creator: Best Low-Code Custom Application Development Platform" (link to https://www.zoho.com/creator/), "Zoho Creator for students | Young Creators program" (link to https://www.zoho.com/creator/student-edition.html), and "Free app development program for university students | Zoho Creator" (link to https://www.zoho.com/creator/young-creators-program.html). On the right, there's a sidebar with categories like "All Categories (4939)", "Blogs (1551)", "Knowledge Base (1162)", "Pages (1117)", "Help Pages (832)", "Videos (190)", and "Articles (78)". Below that, a section titled "Products related to your search" lists "Creator" (Build custom apps for your business needs, LEARN MORE), "Show" (Create collaborate and broadcast presentations, LEARN MORE), and "Writer" (A clean crisp space to write and...).

STEP 3: Go to creator,Select one application

The screenshot shows the Oracle Cloud Creator interface. On the left, there's a sidebar with categories like 'DEVELOP', 'Solutions' (which is selected), 'Microservices', 'DEPLOY', 'Environments', 'Mobile', and 'Portal'. Under 'MANAGE', there are 'Users', 'Organization', 'Governance', 'Metrics', 'Operations', and 'Billing'. In the main area, it says 'Welcome, Reddy Konda'. Below that is a card for 'movie booking system', created on Nov 21, 2023. It has options for 'Application', 'More', and 'Edit'. At the top right, there are buttons for 'Upgrade', a profile icon, and a 'Create Solution' button.

STEP 4: Enter the application name

This is a screenshot of a modal window titled 'Create From Scratch'. It has a field labeled 'Application Name *' with a placeholder 'Enter your application name'. There's also a checkbox for 'Enable Environment' with a 'Learn More' link. At the bottom is a large blue 'Create Application' button.

STEP 5&6: select from the scratch & Select one form,from a scratch and give name to the form

This screenshot shows the application builder interface. On the left, there's a dark sidebar with a 'rdfs' entry. The main area has a central diagram of a form with various icons and arrows. Below it is the text 'Start building your application by creating a form' and a blue 'Create New Form' button. To the right, there are four smaller preview windows showing different parts of the application.

STEP 7: The application is selected and created.

This screenshot shows the 'Movie Booking System' application. The left sidebar has links for 'login form', 'movies list', 'Movie Details', 'movie details', 'All Movie Details', and 'Ticket Details'. The main area displays a 'movies list Report' table with columns for 'Date', 'Time', and movie names like 'maha', 'polimeria', 'sagar', 'nikhil', '764', and '123'. The table shows entries from Nov 21, 2023, at various times.

EXP NO 2: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION FOR FLIGHT RESERVATION SYSTEM USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SAAS.

AIM:

To create a simple cloud software application for flight reservation system using any cloud service provider to demonstrate saas.

PROCEDURE:

step1: Go to zoho.com.

step 2: Log into the zoho account

step 3: Select one application step. Select one form, from a scratch and give name to the form .

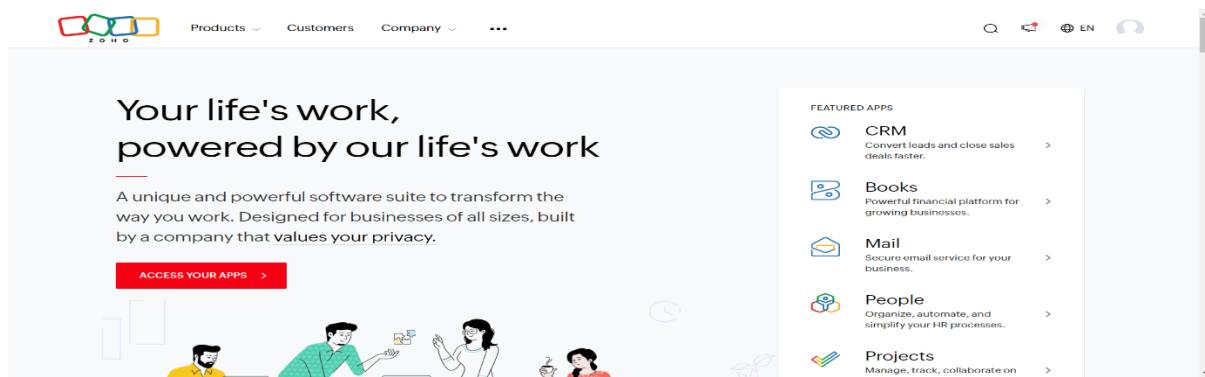
step4: Enter application name as flight reservation system.

step 5: Created new application flight reservation system.

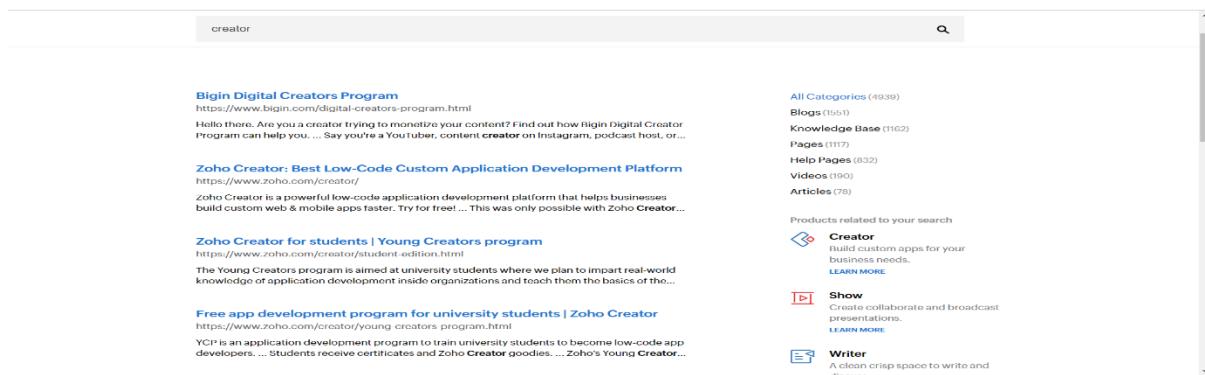
step 6: Select one form

step 7: The software has been created.

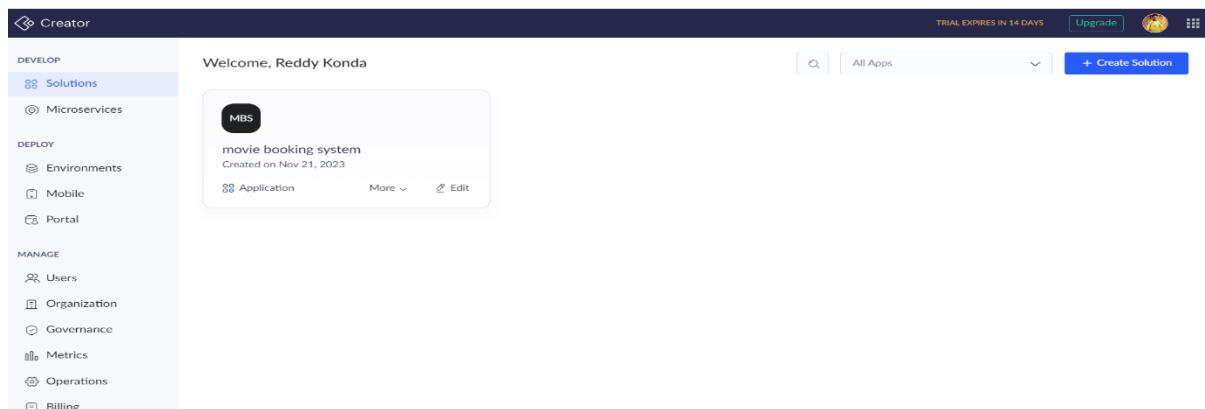
step1: Go to zoho.com.



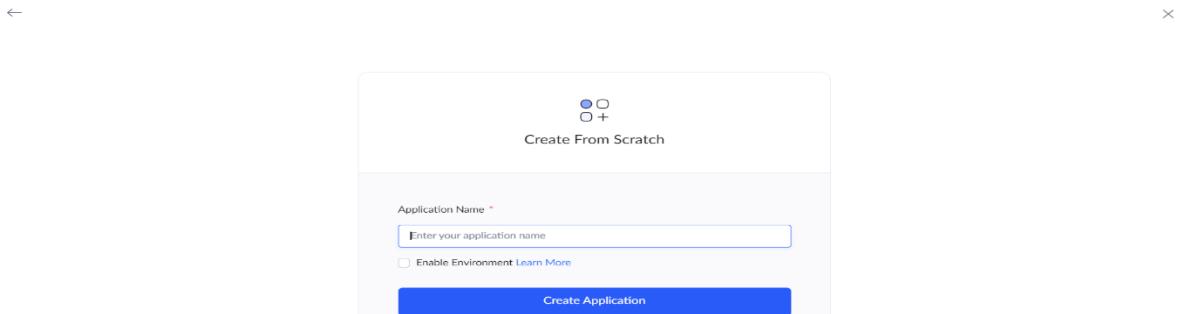
step 2: Log into the zoho account



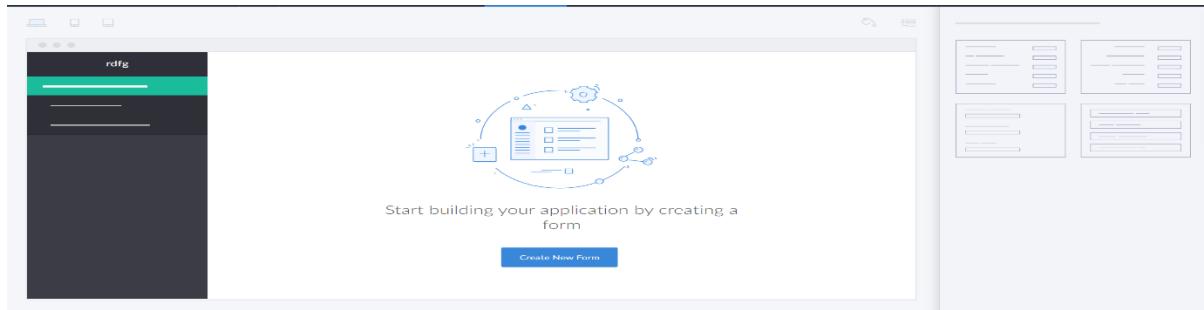
step 3: Select one application step. Select one form, from a scratch and give name to the form



step4: Enter application name as flight reservation system



step 5&6: Created new application flight reservation system & Select one form .



step 7: The software has been created

All Flight Details *						
	flight name	Address	phone number	seat number	time	verified mail
1	indigo air lines	q mumbai, mumbai, mumbai, maharashtra, 400001, India	+918267899450	34	21:25:39	indigairlines@gmail.com
2	king airways	q benguluru, whitefiled, benguluru, karnataka, 530068, India	+919432167890	2		kingairlines@gmail.com
3	british airways	q london, london, london, london, 1234, United Kingdom	+9876543210	1	21:30:01	britishairlines@gmail.com
4	indi go	q ponemalle, chennai, chennai, tamilnadu, chennai, India	+918123456783	3	12:25:33	lok@gmail.com
5	indi go	q kadapa, porumamilla, kadap, andhra, 516193, India	+916392887268	22	10:25:40	rkonda95@gmail.com
6	lokesh eddi	q kadapa, porumamilla, kadap, andhra, 516193	+919392887268	22	09:10:48	rkonda95@gmail.com

EXP NO 3: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION FOR PROPERTY BUYING & RENTAL PROCESS (IN CHENNAI CITY) USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SaaS.

AIM: To Create a simple cloud software application for Property Buying & Rental process (In Chennai city) using any Cloud Service Provider to demonstrate SaaS.

PROCEDURE:

step1: Go to zoho.com.

step 2: Log into the zoho account.

step 3: Select one application step.Select one form,from a scratch and give name to the form.

step4: Enter application name as property buying & rental.

step 5: Created new application as property buying & rental.

step 6: Select one form

step 7: The software has been created.

step1: Go to zoho.com.

The screenshot shows the Zoho homepage with a banner reading "Your life's work, powered by our life's work". Below the banner, there's a section about a unique and powerful software suite designed for businesses of all sizes, built by a company that values privacy. A red button labeled "ACCESS YOUR APPS >" is present. To the right, a sidebar titled "FEATURED APPS" lists "CRM", "Books", "Mail", "People", and "Projects", each with a brief description and a "View" link.

step 2: Log into the zoho account

The screenshot shows a search results page for "creator" on the Zoho platform. It includes a sidebar with categories like All Categories (49399), Blogs (1051), Knowledge Base (1162), Pages (117), Help Pages (232), Videos (100), and Articles (78). The main content area displays various creator programs and platforms, such as the Bigin Digital Creators Program, Zoho Creator Best Low-Code Custom Application Development Platform, Zoho Creator for students | Young Creators program, and Free app development program for university students | Zoho Creator. Each result includes a brief description and a link.

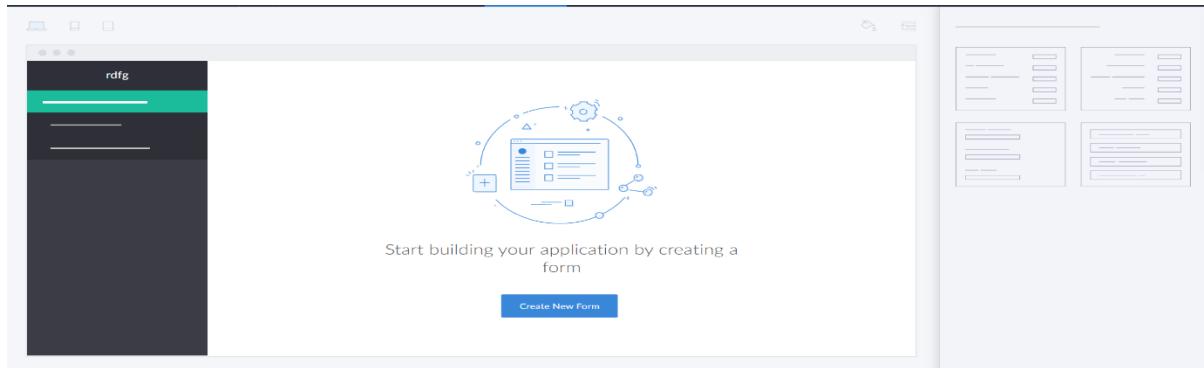
step 3: Select one application step.Select one form,from a scratch and give name to the form.

The screenshot shows the Zoho Creator application dashboard. On the left, there's a sidebar with sections like DEVELOP (Solutions, Microservices), DEPLOY (Environments, Mobile, Portal), and MANAGE (Users, Organization, Governance, Metrics, Operations, Billing). In the center, a card for an "MBS" application titled "movie booking system" is shown, created on Nov 21, 2023. At the top right, there are buttons for "Upgrade", "Access this application", and a "Create Solution" button.

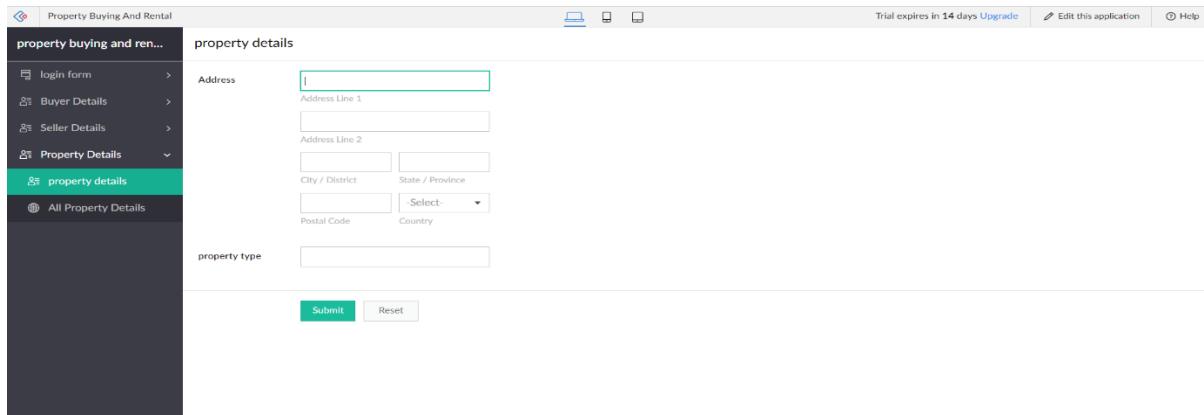
step4: Enter application name as property buying & rental.

The screenshot shows the Zoho Creator form builder interface for a "property buying and rental" application. The left sidebar lists "property details" and "All Property Details". The main area shows a "property details" form with fields for Address (Address Line 1, Address Line 2), City / District, State / Province, Postal Code, Country, and a "Submit" button. To the right, there's a "Form Customization - Web" panel with sections for "Label placement" and "Form fields".

step 5 & 6: Created new application as property buying & rental & Select one form.



step 7: The software has been created.



EXP NO 4: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION FOR CAR BOOKING RESERVATION SYSTEM USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SaaS.

AIM: To Create a simple cloud software application for Car Booking Reservation System using any Cloud Service Provider to demonstrate SaaS.

PROCEDURE:

step1: Go to zoho.com.

step 2: Log into the zoho account.

step 3: Go to creator, Select one application step.

step4: Enter application name as Car Booking Reservation System.

step 5: Created new application as Car Booking Reservation System.

step 6: Select one form

step 7: The software has been created.

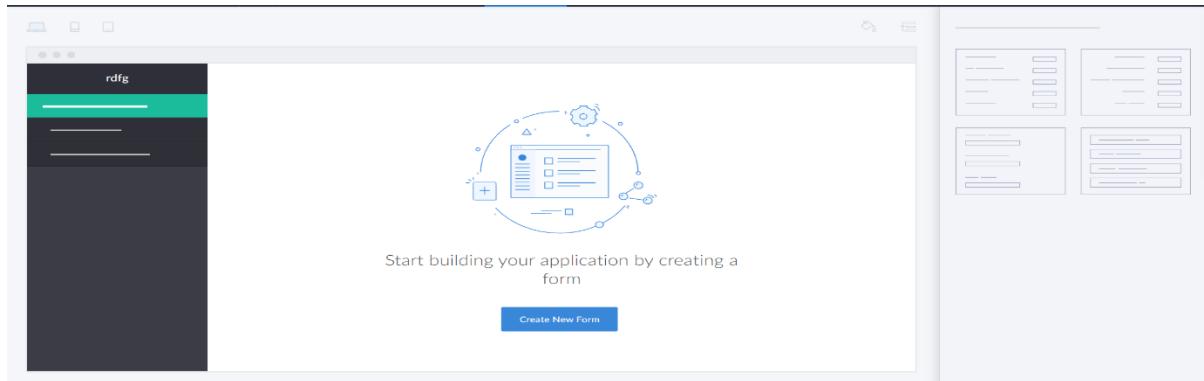
step1: Go to zoho.com.

step 2: Log into the zoho account.

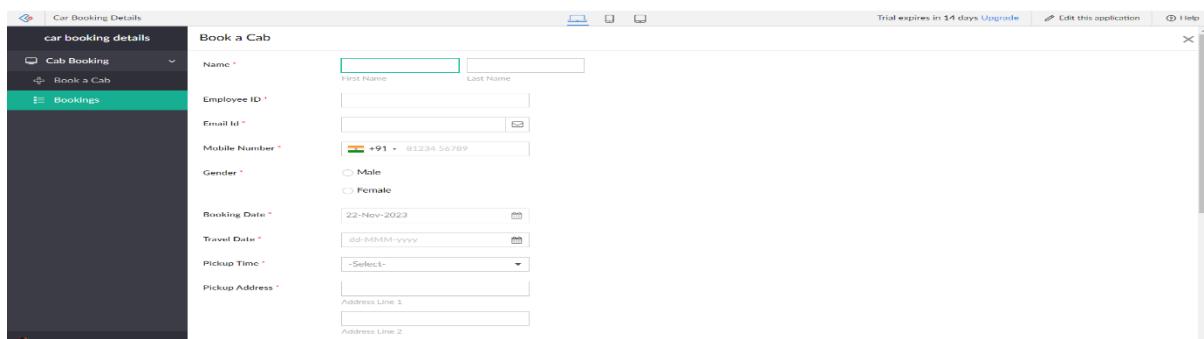
step 3: Go to creator, Select one application step.

step4: Enter application name as Car Booking Reservation System.

step 5 & 6: Created new application as Car Booking Reservation System & Select one form.



step 7: The software has been created.



EXP NO 5: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION FOR LIBRARY BOOK RESERVATION SYSTEM FOR SIMATS LIBRARY USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SaaS

AIM:

To Create a simple cloud software application for Library book reservation system for SIMATS library using any Cloud Service Provider to demonstrate SaaS

PROCEDURE:

step1: Go to zoho.com.

step 2: Log into the zoho account.

step 3: Go to creator,Select one application step.

step4: Enter application name as library book reservation system.

step 5: Created new application as library book reservation system.

step 6: Select one form

step 7: The software has been created.

step1: Go to zoho.com.

The screenshot shows the Zoho homepage. At the top, there's a navigation bar with 'Products', 'Customers', 'Company', and a search bar. Below the header, a large banner features the text 'Your life's work, powered by our life's work' and a subtext about a unique and powerful software suite. A red button labeled 'ACCESS YOUR APPS >' is visible. To the right, a section titled 'FEATURED APPS' lists 'CRM', 'Books', 'Mail', 'People', and 'Projects' with brief descriptions and icons. Below the banner, there's a row of four cartoon illustrations of people at work.

step 2: Log into the zoho account.

This screenshot shows a search results page for 'creator' on the Zoho website. The search bar at the top contains 'creator'. The results list several programs: 'Bigin Digital Creators Program', 'Zoho Creator: Best Low-Code Custom Application Development Platform', 'Zoho Creator for students | Young Creators program', and 'Free app development program for university students | Zoho Creator'. To the right, there's a sidebar with sections for 'All Categories (4939)', 'Products related to your search' (listing 'Creator', 'Show', and 'Writer'), and a 'Help Center' section.

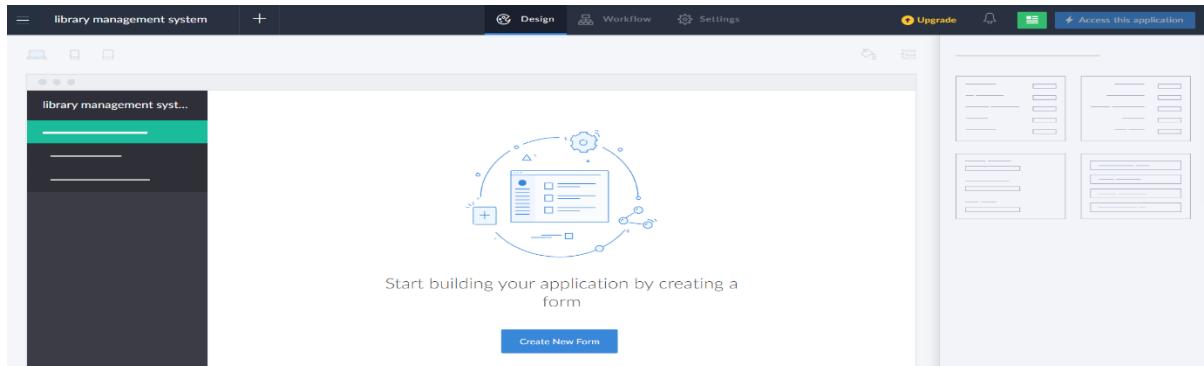
step 3: Go to creator,Select one application step.

This screenshot shows the Zoho Creator application dashboard. On the left, a sidebar lists categories: DEVELOP (Solutions, Microservices), DEPLOY (Environments, Mobile, Portal), and MANAGE (Users, Organization, Governance, Metrics, Operations, Billing). The main area displays a 'Welcome, Reddy Konda' message and a card for a 'movie booking system' application, which was created on Nov 21, 2023. A 'More' and 'Edit' button are shown below the card. At the top right, there's a trial expiration notice ('TRIAL EXPIRES IN 14 DAYS') and a 'Create Solution' button.

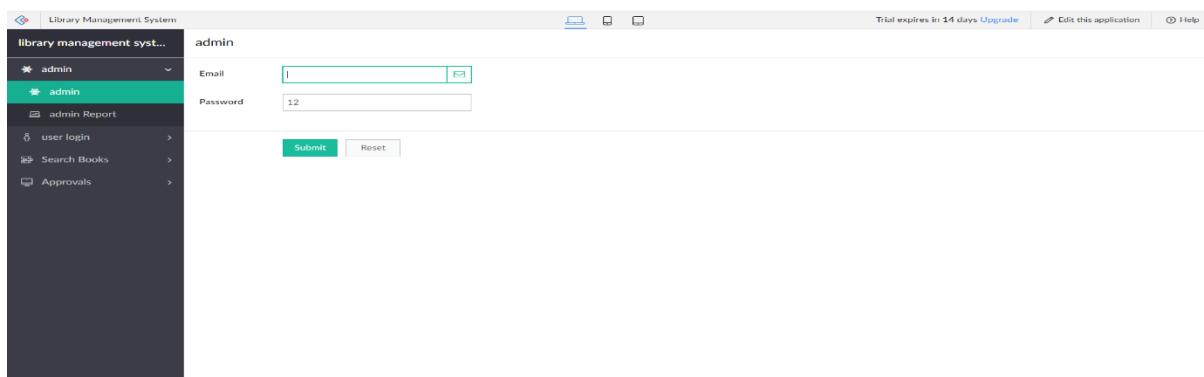
step4: Enter application name as library book reservation system.

This screenshot shows a form titled 'Book a Cab' within the Zoho Creator application. The form includes fields for 'Name' (First Name and Last Name), 'Employee ID', 'Email Id', 'Mobile Number' (with an Indian flag icon and number 81234 56789), 'Gender' (Male or Female), 'Booking Date' (22-Nov-2023), 'Travel Date' (dd-MMM-yyyy), 'Pickup Time' (dropdown menu), and 'Pickup Address' (Address Line 1 and Address Line 2). On the left, a sidebar shows a tree view of 'car booking details': 'Cab Booking' (selected), 'Book a Cab', and 'Bookings'. The 'Bookings' node is highlighted in green. At the top right, there are trial expiration notices ('Trial expires in 14 days Upgrade') and other buttons like 'Edit this application' and 'Help'.

step 5 & 6: Created new application as library book reservation system & Select one form.



step 7: The software has been created.



EXP NO 6: CREATE A SIMPLE CLOUD SOFTWARE APPLICATION FOR PRODUCT SELLING USING ANY CLOUD SERVICE PROVIDER TO DEMONSTRATE SAAS.

AIM:

To create a simple cloud software application for product selling using any cloud service provider to demonstrate saas.

PROCEDURE:

step1: Go to zoho.com.

step 2: Log into the zoho account.

step 3: Go to creator,Select one application step.

step4: Enter application name as product selling.

step 5: Created new application as product selling.

step 6: Select one form

step 7: The software has been created.

step1: Go to zoho.com.

step 2: Log into the zoho account.

step 3: Go to creator,Select one application step.

step4: Enter application name as product selling.

step 5 & 6: Created new application as product selling & Select one form .

step 7: The software has been created.

Email	password
pratap@gmail.com	dgtgf
jal@gmail.com	fb
kishore@gmail.com	oikh
charan@gmail.com	kuyig
nikhil@gmail.com	tgfr
sohel@gmail.com	345
loki@gmail.com	123

EXP NO 7: DEMONSTRATE VIRTUALIZATION BY INSTALLING TYPE-2 HYPERVISOR IN YOUR DEVICE, CREATE AND CONFIGURE VM IMAGE WITH A HOST OPERATING SYSTEM (EITHER WINDOWS/LINUX).

AIM:

To demonstrate virtualization by installing type-2 hypervisor in your device, create and configure VM image with a host operating system (either windows/linux).

PROCEDURE:

STEP 1: Download VMware workstation and installed as type 2hypervisor.

STEP 2: Download ubuntu or tiny OS as iso image file.

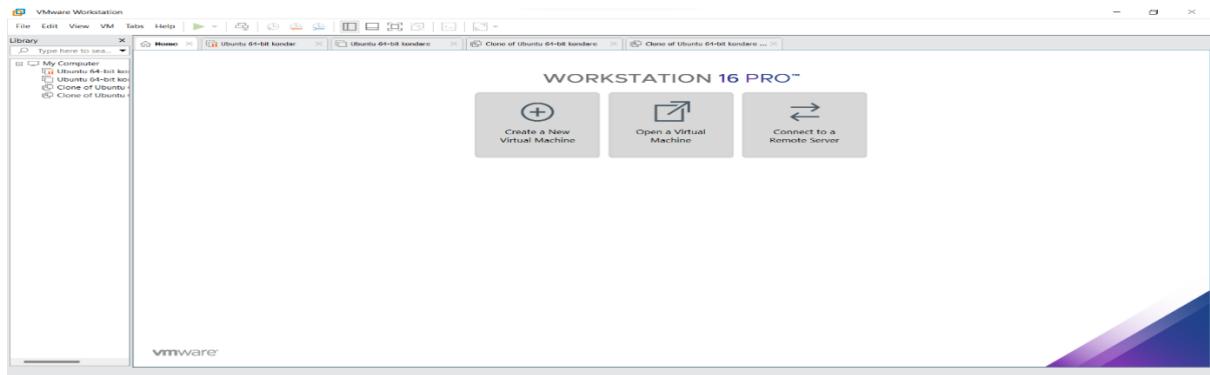
STEP 3: In VMware workstation->create new VM.

STEP 4: Do the basic configuration settings.

STEP 5: Created tiny OS virtual machine.

STEP 6: Launch the VM.

STEP 1: Download VMware workstation and installed as type 2hypervisor.

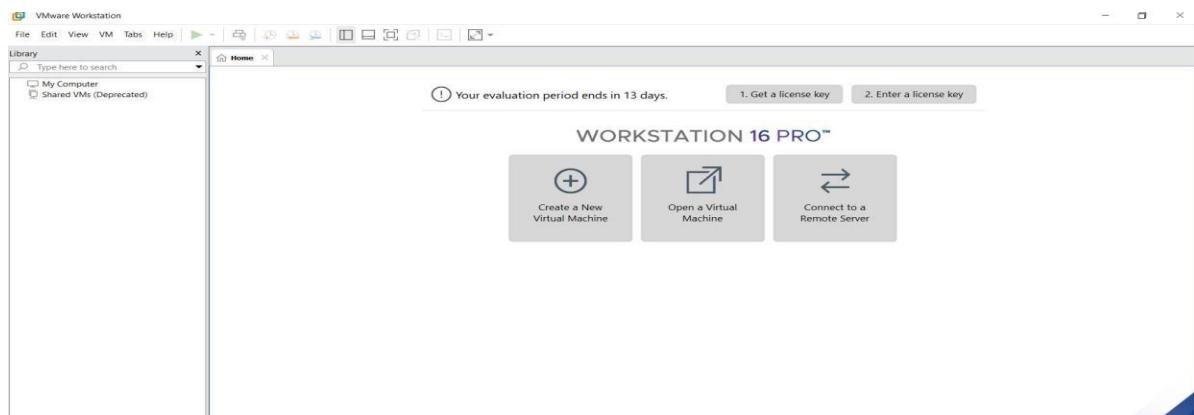


STEP 2: Download ubuntu or tiny OS as iso image file.

Index of /11.x/x86/release/

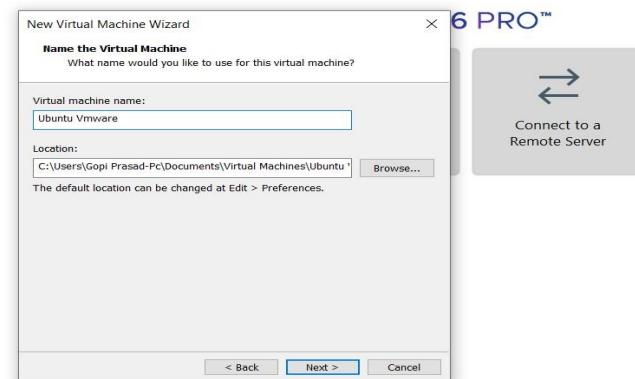
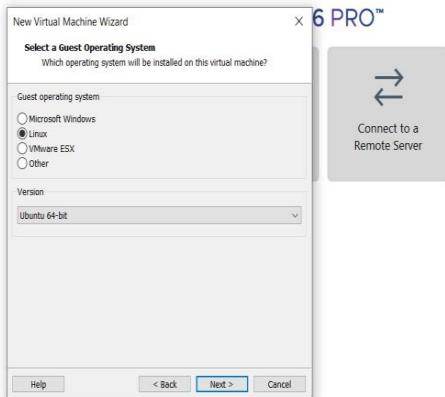
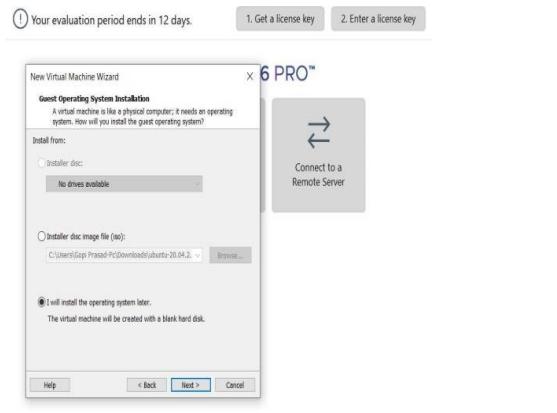
..	/distribution_files/	
src/		
Core-11.1.iso	09-Feb-2020 11:50	-
Core-11.1.iso.md5.txt	03-Dec-2019 11:14	-
Core-11.1.iso.zsync	01-Apr-2020 07:49	14757888
Core-current.iso	01-Apr-2020 07:49	48
Core-current.iso.zsync	01-Apr-2020 07:49	50639
CorePlus-11.1.iso	01-Apr-2020 07:49	14757888
CorePlus-11.1.iso.md5.txt	01-Apr-2020 07:50	216006656
CorePlus-11.1.iso.zsync	01-Apr-2020 07:50	52
CorePlus-current.iso	01-Apr-2020 07:50	369358
TinyCore-11.1.iso	01-Apr-2020 07:50	216006656
TinyCore-11.1.iso.md5.txt	01-Apr-2020 07:50	19922944
TinyCore-11.1.iso.zsync	01-Apr-2020 07:50	52
TinyCore-11.1.iso.zsync	01-Apr-2020 07:50	68301
TinyCore-current.iso	01-Apr-2020 07:50	19922944

STEP 3: In VMware workstation->create new VM.

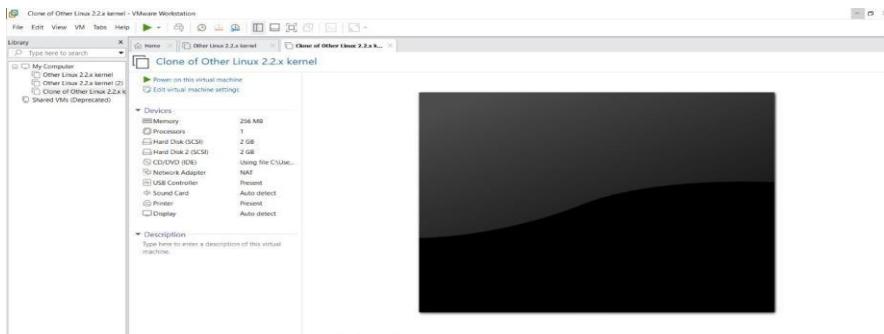


STEP 4: : Do the basic configuration settings

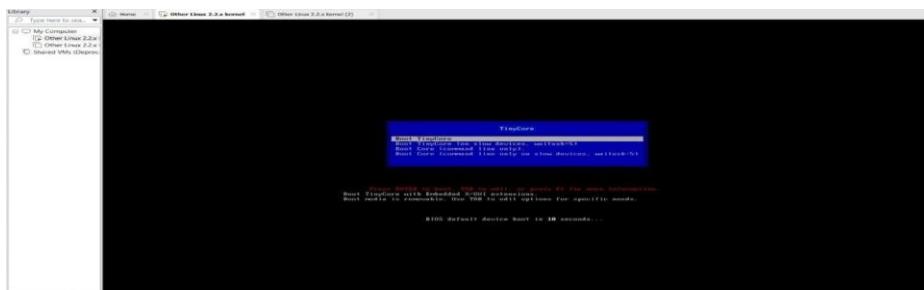




STEP 5: Created tiny OS virtual machine.



STEP 6: Launch the VM.



EXPO NO 8: CREATE A VIRTUAL MACHINE WITH 1 CPU, 2GB RAM AND 15GB STORAGE DISK USING A TYPE 2 VIRTUALIZATION SOFTWARE.

AIM:

To create a virtual machine with 1 cpu, 2gb ram and 15gb storage disk using a type 2 virtualization software.

PROCEDURE:

STEP 1: Download VMware workstation and installed as type 2 hypervisor.

STEP 2: Download ubuntu or tiny OS as iso image file.

STEP 3: In VMware workstation->create new VM.

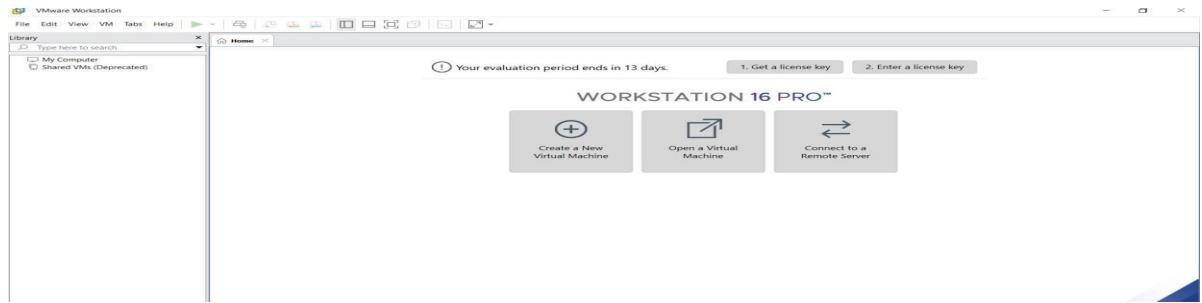
STEP 4: Do the basic configuration settings.

STEP 5: Created tiny OS virtual machine.

STEP 6: Launch the VM.

IMPLEMENTATION:

STEP 1: Download VMware workstation and installed as type 2 hypervisor.

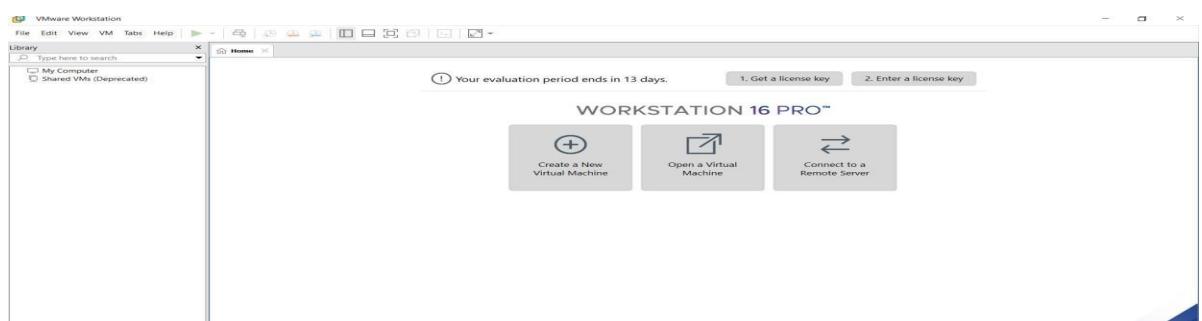


STEP2: Download ubuntu or tiny OS as iso image file.

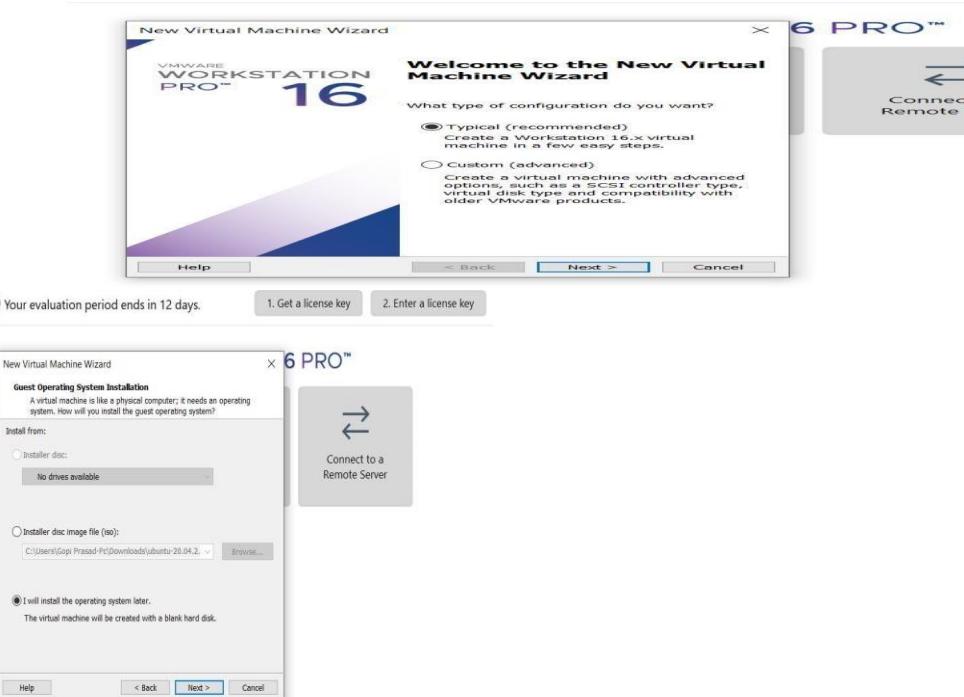
Index of /11.x/x86/release/

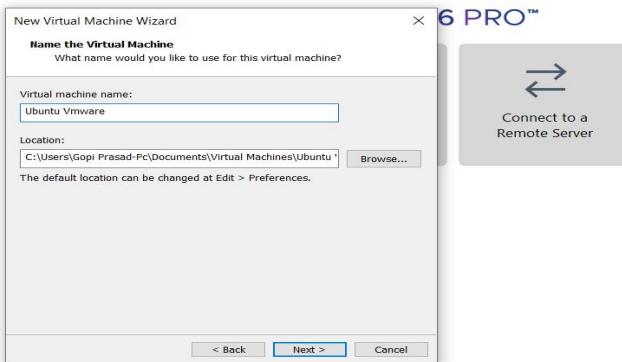
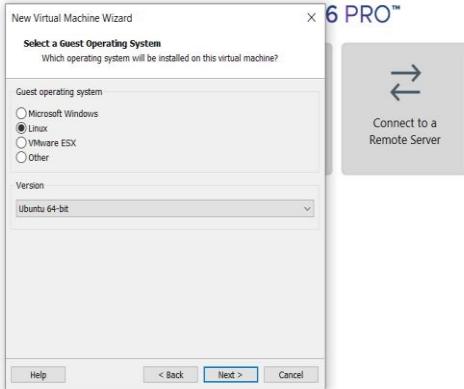
..	/distribution_files/		
src/			
Core-11.1.iso	09-Feb-2020 11:50	-	
Core-11.1.iso.md5.txt	03-Dec-2019 11:14	-	
Core-11.1.iso.zsync	01-Apr-2020 07:49	14757888	
Core-current.iso	01-Apr-2020 07:49	48	
CorePlus-11.1.iso	01-Apr-2020 07:49	50639	
CorePlus-11.1.iso.md5.txt	01-Apr-2020 07:49	14757888	
CorePlus-11.1.iso.zsync	01-Apr-2020 07:49	216006656	
CorePlus-current.iso	01-Apr-2020 07:49	52	
TinyCore-11.1.iso	01-Apr-2020 07:50	369358	
TinyCore-11.1.iso.md5.txt	01-Apr-2020 07:50	216006656	
TinyCore-11.1.iso.zsync	01-Apr-2020 07:50	19922944	
TinyCore-current.iso	01-Apr-2020 07:50	52	
		68301	
		19922944	

STEP 3: In VMware workstation->create new VM.

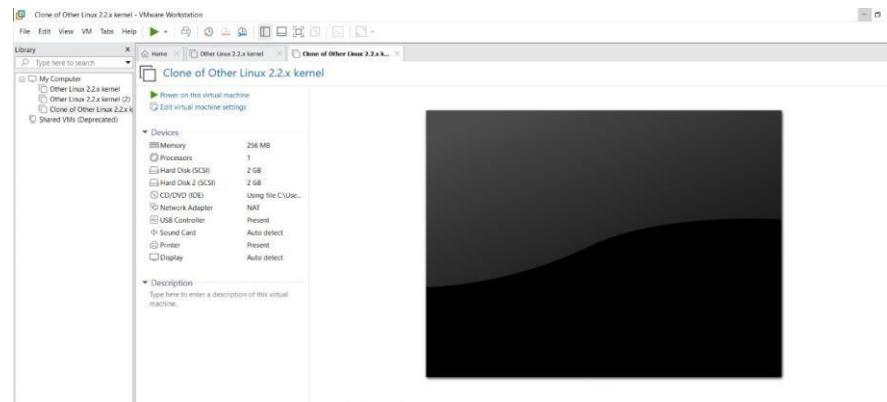


STEP 4: Do the basic configuration settings.





STEP 5: Created tiny OS virtual machine.



EXP 9: CREATE A VIRTUAL HARD DISK AND ALLOCATE THE STORAGE USING VM WARE WORKSTATION.

AIM:

To create a virtual hard disk and allocate the storage using vm ware workstation

PROCEDURE:

STEP 1:GOTO VM WARE WORKSTATION.

STEP2: RIGHT CLICK THE VM AND GOTO THE SETTINGS.

STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT.

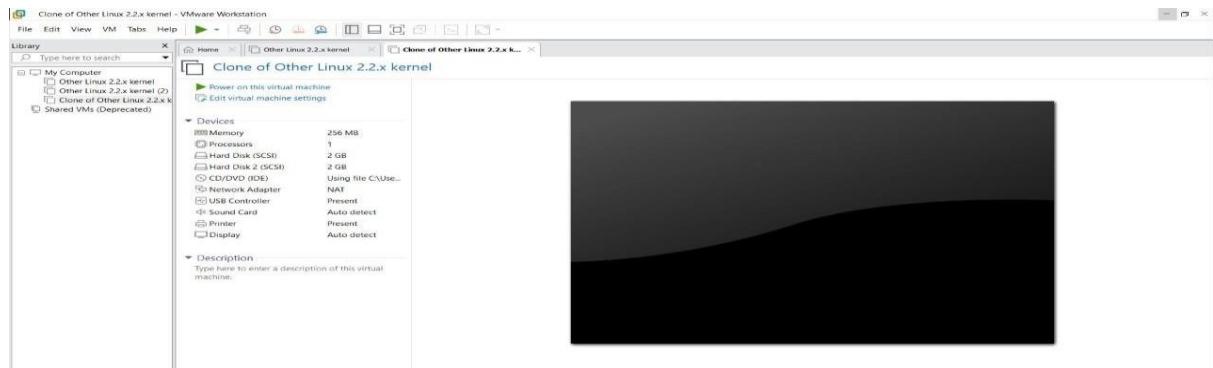
STEP 4: CREATE NEW VIRTUAL DISK.

STEP 5: SELCT THE DISK SIZE AS 2.0. AND SELCT SPLIT VIRTUAL DISK INTO MULTIFILES.

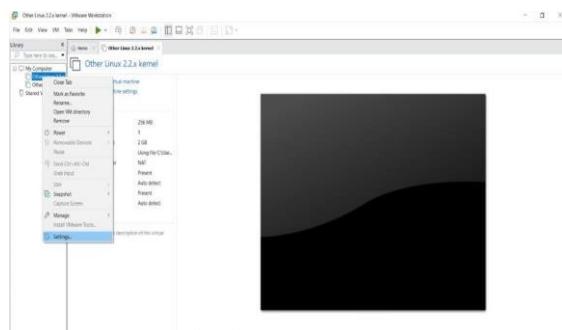
STEP 6: GIVE NAME AND CLICK THE FINISH.

IMPLEMENTATION:

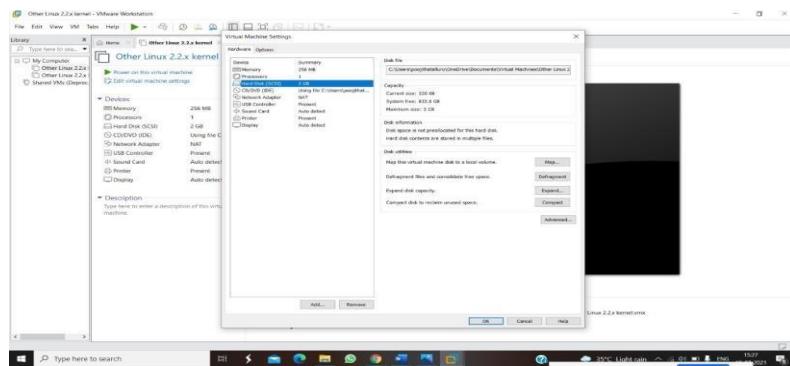
STEP 1: GOTO VM WARE WORKSTATION.



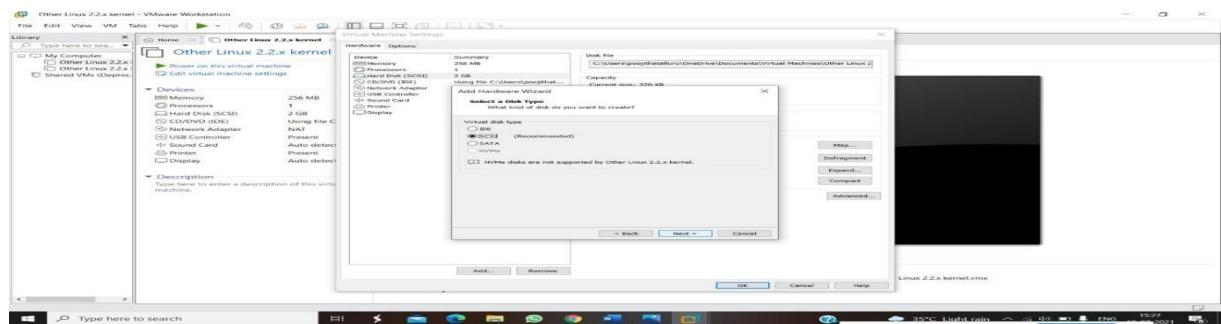
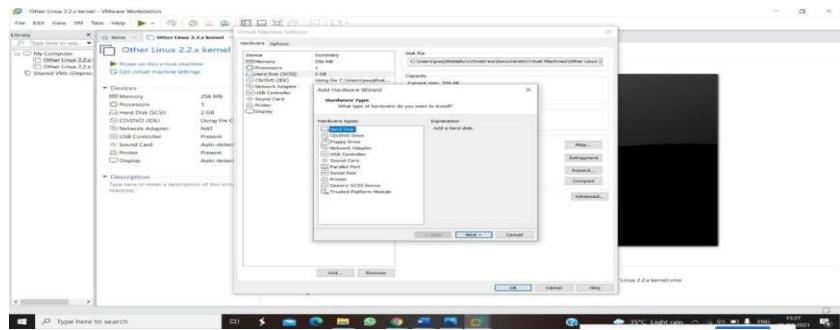
STEP2: RIGHT CLICK THE VM AND GOTO THE SETTINGS.



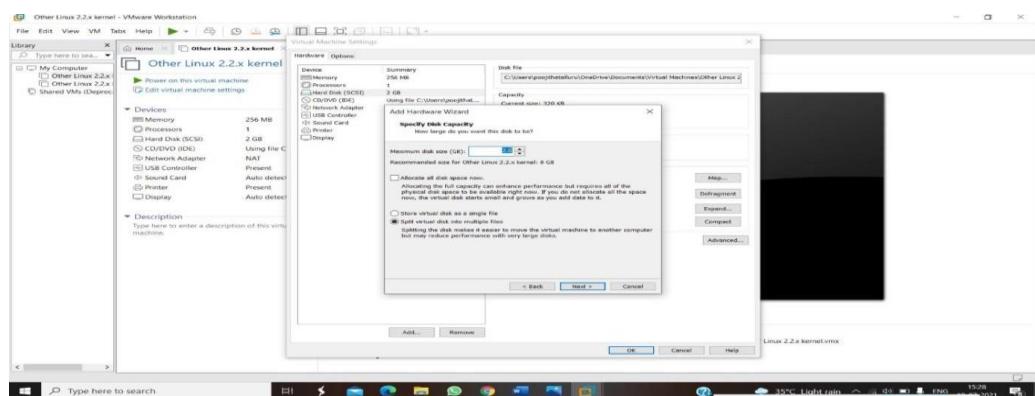
STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT.



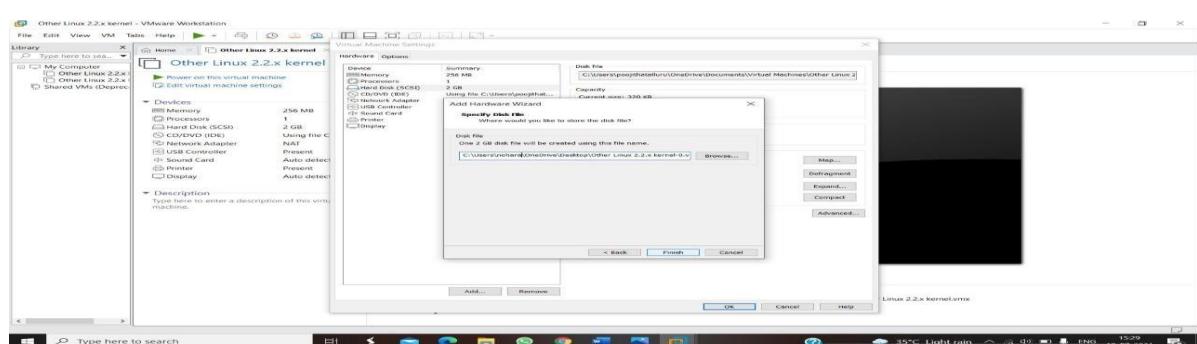
STEP 4: CREATE NEW VIRTUAL DISK.

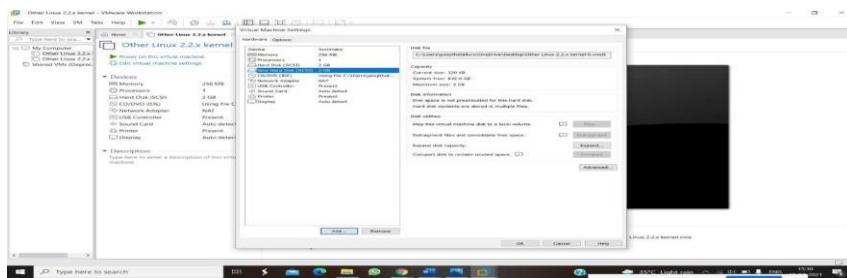


STEP 5: SELECT THE DISK SIZE AS 2.0. AND SELECT SPLIT VIRTUAL DISK INTO MULTIFILES.



STEP 6: GIVE NAME AND CLICK THE FINISH





EXPNO 10: CREATE A SNAPSHOT OF A VM AND TEST IT BY LOADING THE PREVIOUS VERSION/CLONED VM

AIM:

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

PROCEDURE:

STEP 1: GOTO VMWARE WORKSTATION.

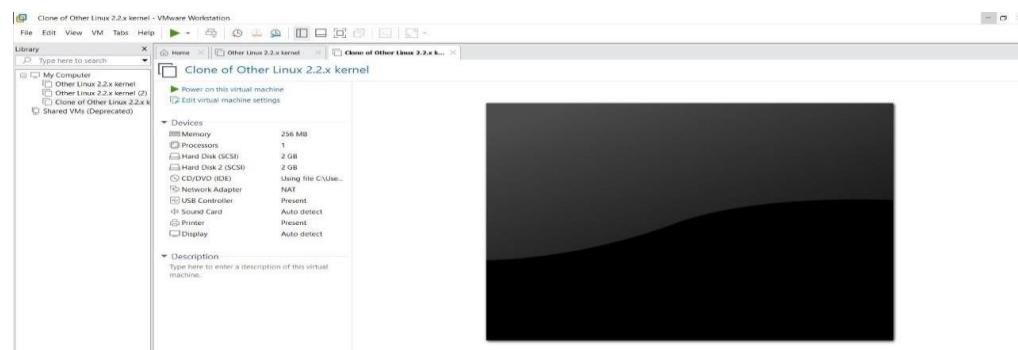
STEP 2: CREATE FILES ON DESKTOP.

STEP 3: CLICK ON VM AND SELECTS SNAPSHOT-> TAKE SNAPSHOT.

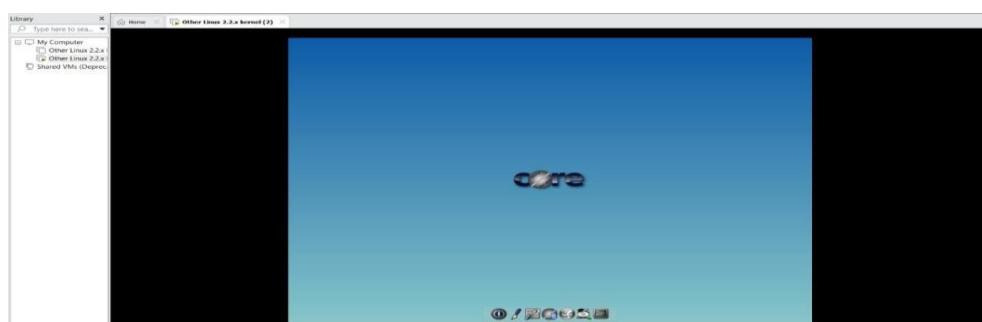
STEP 4: SNAPSHOT IS BEING DONE

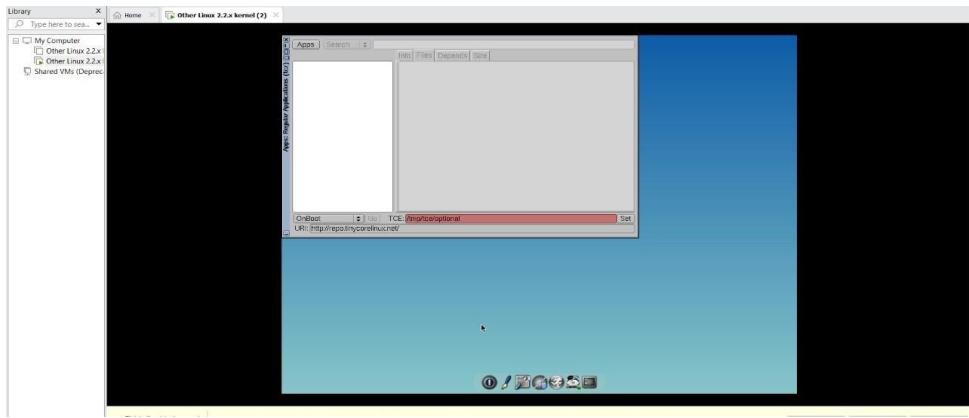
IMPLEMENTATION:

STEP 1: GOTO VMWARE WORKSTATION

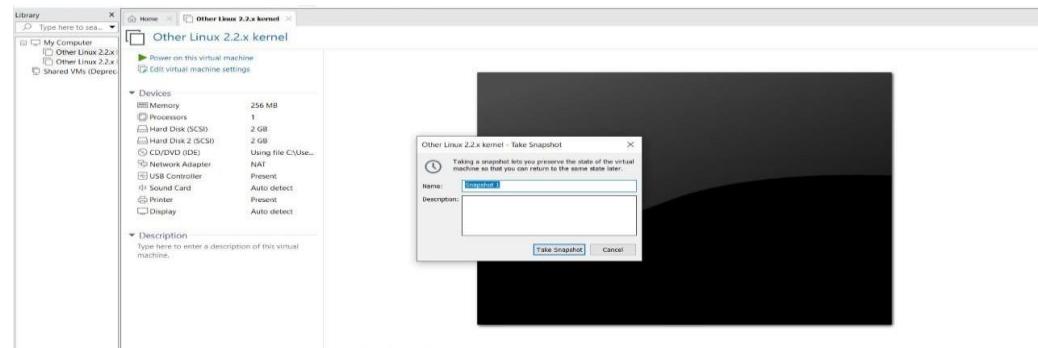
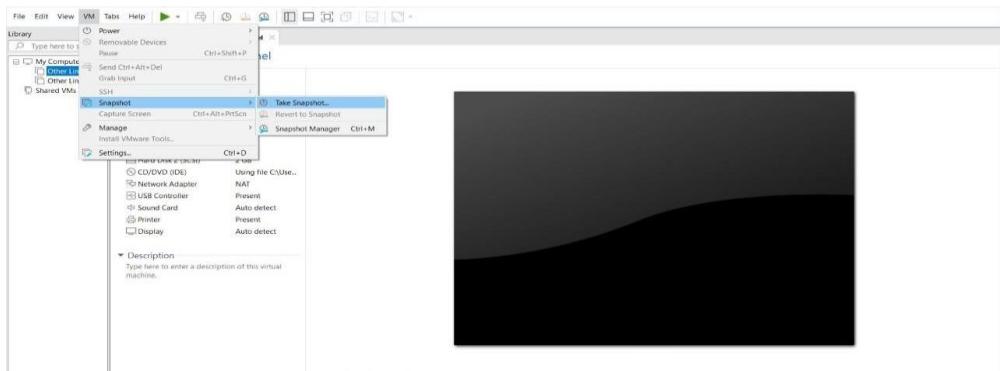


STEP 2: CREATE FILES ON DESKTOP

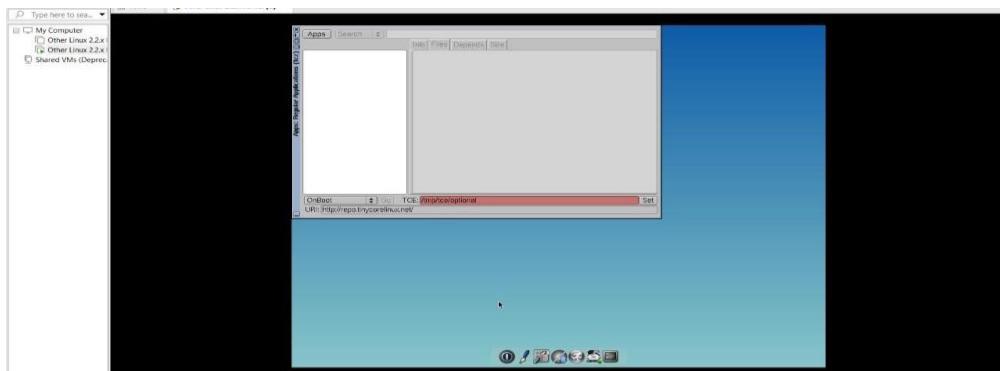




STEP 3: CLICK ON VM AND SELECTS SNAPSHOT-> TAKE SNAPSHOT.



STEP 4: SNAPSHOT IS BEING DONE



EXPO NO 11: CREATE A CLONING OF A VM AND TEST IT BY LOADING THE PREVIOUS VERSION/CLONED VM.

AIM:

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

PROCEDURE:

STEP 1: GO TO VM AND GOTO MANAGE AND CLICK CLONE

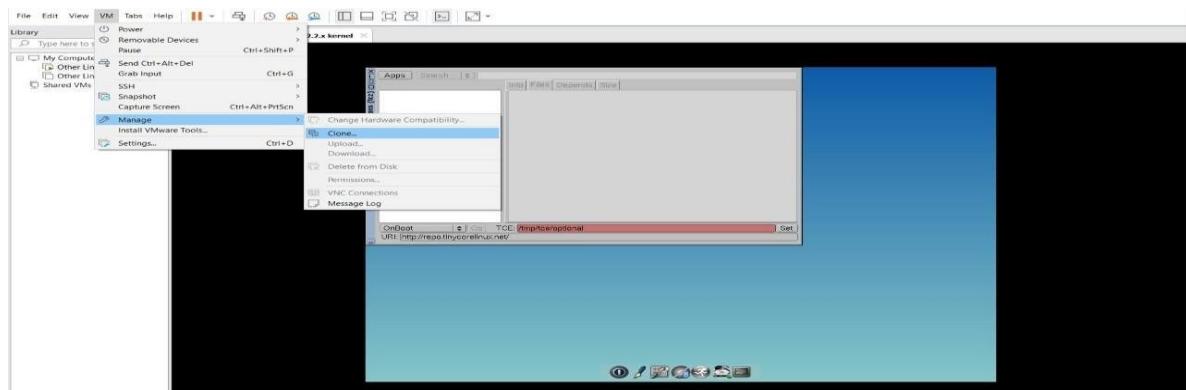
STEP 2: CLICK CLONE

STEP 3: SELECT THE FULL CLONE

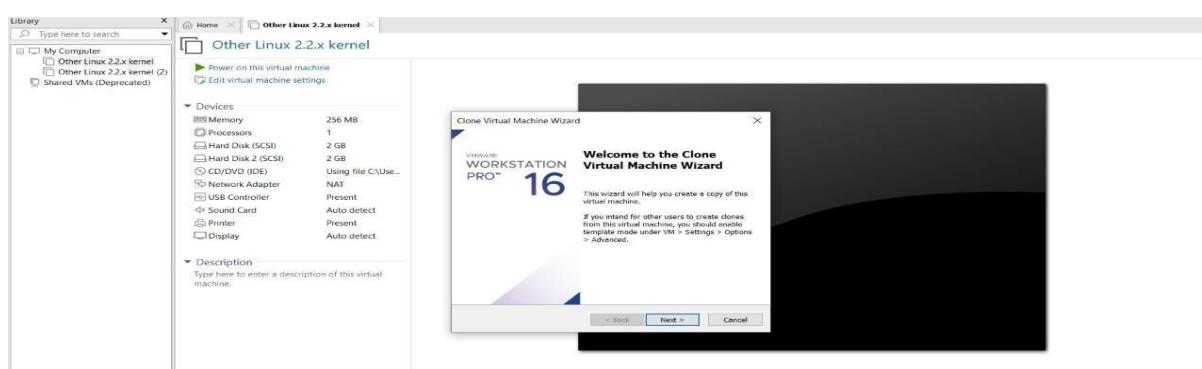
STEP 4: AFTER CLONE AGAIN OR VM IS OPENED.

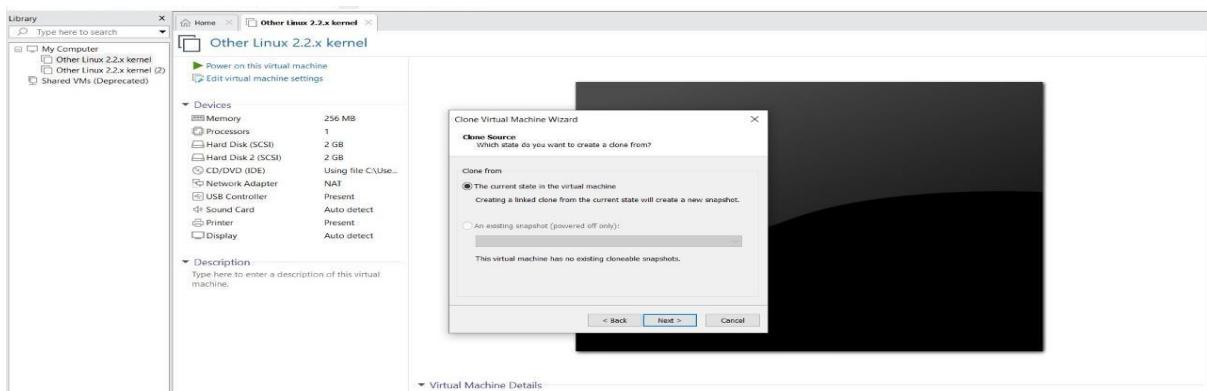
IMPLEMENTATION:

STEP 1: GO TO VM AND GOTO MANAGE AND CLICK CLONE

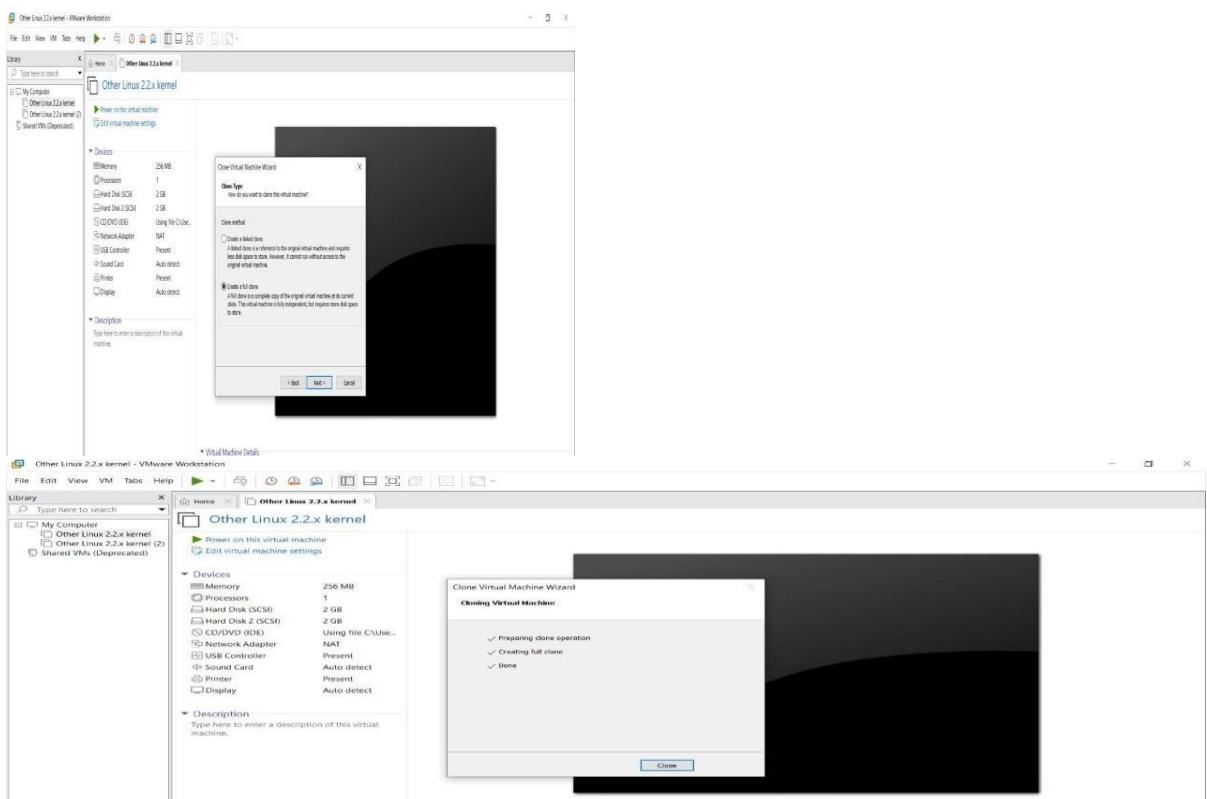


STEP 2: CLICK CLONE

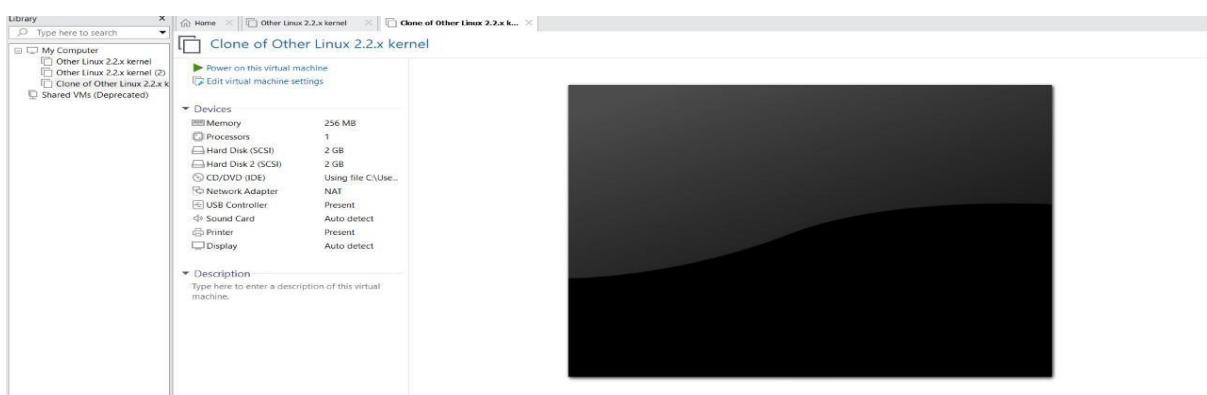




STEP 3: : SELECT THE FULL CLONE



STEP 4: AFTER CLONE AGAIN OR VM IS OPENED.



EXP 12: CHANGE HARDWARE COMPATIBILITY OF A VM (EITHER BY CLONE/CREATE NEW ONE) WHICH IS ALREADY CREATED AND CONFIGURED.

DATE:

AIM:

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

PROCEDURE:

STEP 1:GOTO VM WARE WORKSTATION.

STEP2: RIGHT CLICK THE VM AND GOTO THE SETTINGS.

STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT.

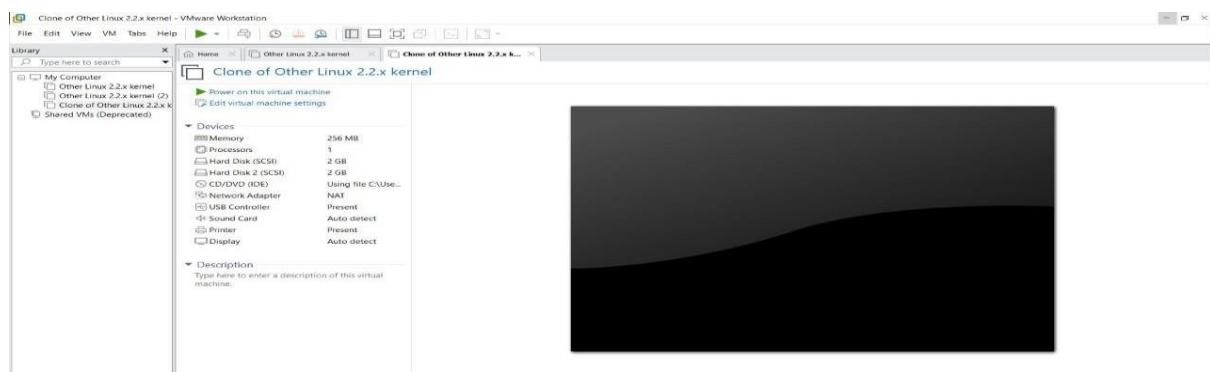
STEP 4: CREATE NEW VIRTUAL DISK.

STEP 5: SELCT THE DISK SIZE AS 2.0. AND SELCT SPLIT VIRTUAL DISK INTO MULTIFILES.

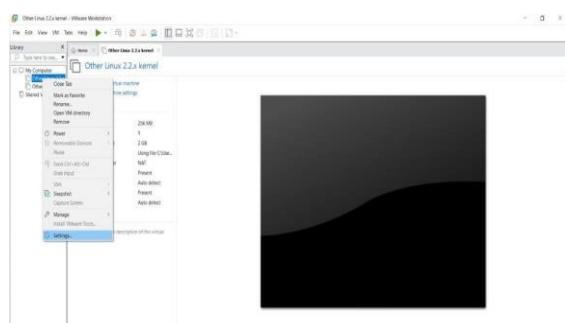
STEP 6: GIVE NAME AND CLICK THE FINISH.

IMPLEMENTATION:

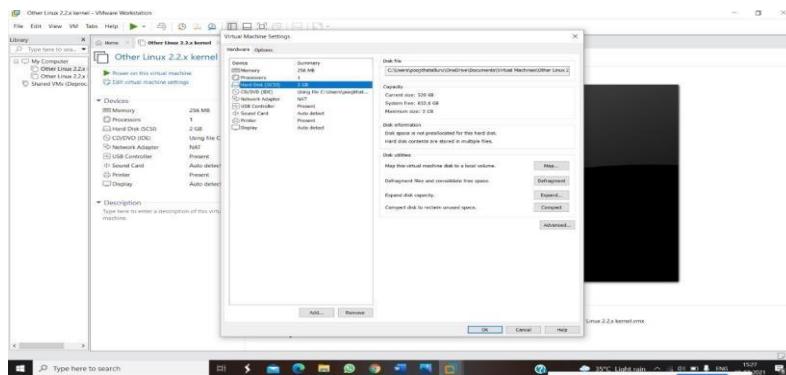
STEP 1:GOTO VM WARE WORKSTATION



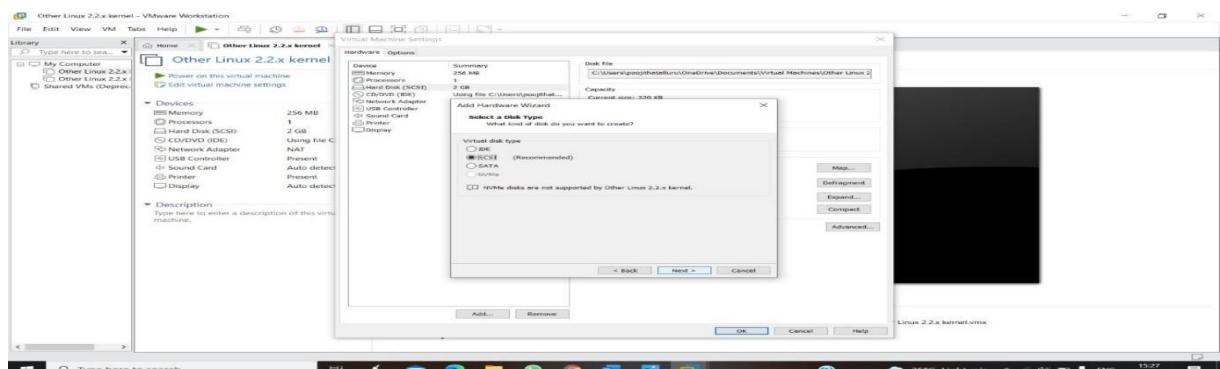
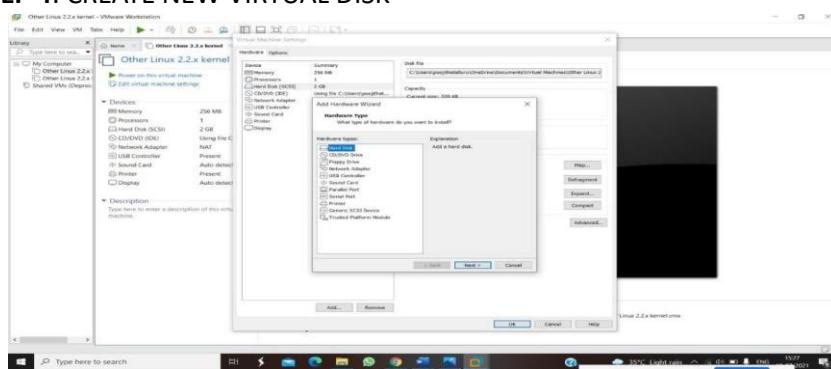
STEP2: RIGHT CLICK THE VM AND GOTO THE SETTINGS



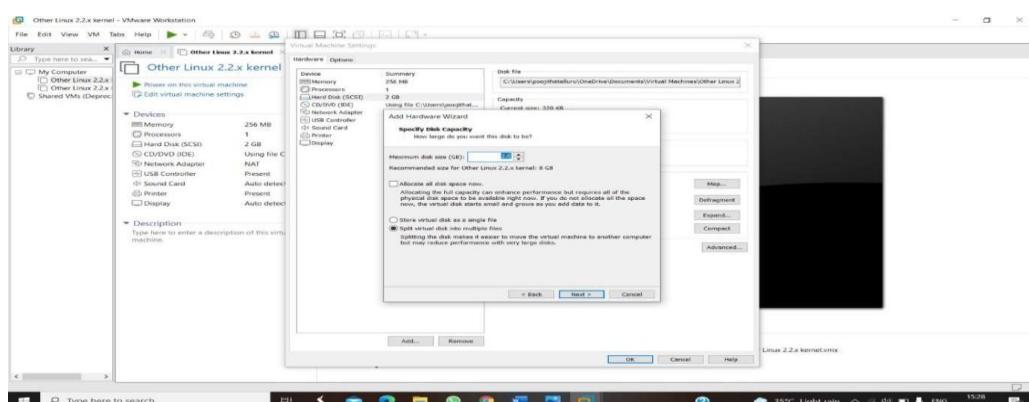
STEP 3: ADD HARDWARE WIZARD AND SELECT SCSI AND CLICK NEXT



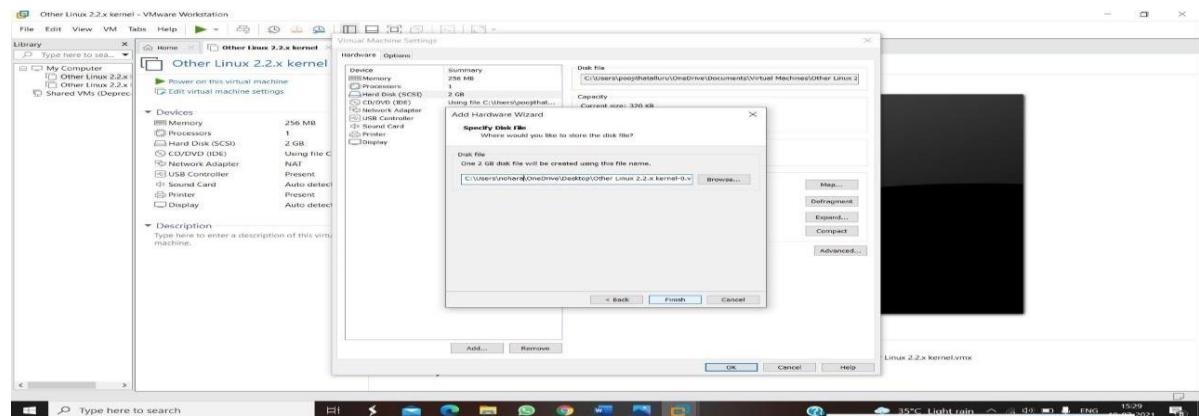
STEP 4: CREATE NEW VIRTUAL DISK



STEP 5: SELECT THE DISK SIZE AS 2.0. AND SELECT SPLIT VIRTUAL DISK INTO MULTIFILES.



STEP 6: GIVE NAME AND CLICK THE FINISH



EXP13. DEMONSTRATE INFRASTRUCTURE AS A SERVICE (IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE PROVIDER (AZURE), CONFIGURE WITH REQUIRED MEMORY AND CPU.

AIM:

To demonstrate infrastructure as a service(iaas) by creating a virtual machine using a public cloud service provider(azure/gcp/aws) configure with minimum cpu,ram and storage and launch the vm image.

PROCEDURE:

STEP1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP2: GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.

STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE.

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS AND USERNAME AND PASSWORD FOR YOUR VIRTUAL MACHINE.

STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO YOUR WINDOWS VIRTUAL MACHINE.

STEP8: CREATED A NEW WINDOWS VIRTUAL MACHINE.

STEP1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

The screenshot shows the Microsoft Azure portal homepage. At the top, there's a search bar and a navigation bar with icons for Home, Notifications, and Account. Below the search bar is a section titled 'Azure services' with icons for 'Create a resource', 'Resource groups', 'App Services', 'Quickstart Center', 'Virtual machines', 'Storage accounts', 'SQL databases', 'Azure Cosmos DB', 'Kubernetes services', and 'More services'. Under 'Resources', there are tabs for 'Recent' and 'Favorite', and a table showing 'Name', 'Type', and 'Last Viewed'. A message says 'No resources have been viewed recently' with a 'View all resources' button. At the bottom, there's a 'Navigate' bar with links for 'Subscriptions', 'Resource groups', 'All resources', and 'Dashboard'.

STEP2: GOTO RESOURCE GROUP AND CREATE A RESOURCE GROUP.

The screenshot shows the 'Create a resource' blade. At the top, there's a search bar and a 'Getting Started?' link. Below it, there are two sections: 'Popular Azure services' (Virtual machine, Web App, SQL Database, Function App, Key Vault, Data Factory, Template deployment) and 'Popular Marketplace products' (Windows Server 2019 Datacenter, Windows 11 Pro, version 21H2, Ubuntu Server 20.04 LTS, Ubuntu Server 22.04 LTS, Red Hat Enterprise Linux 7.4, Essentials 50K, MongoDB Atlas). On the left, there's a sidebar with 'Categories' (Al + Machine Learning, Analytics, Blockchain, Compute, Containers, Databases, Developer Tools, DevOps, Identity, Integration, Internet of Things, IT & Management Tools, Media, Monitoring) and 'Recently created' resources.

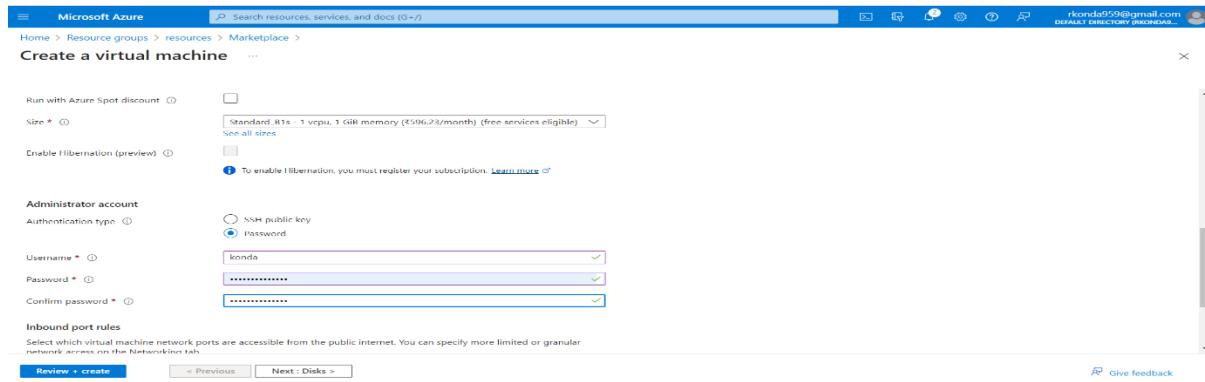
STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

The screenshot shows the 'Create a resource group' blade. It has tabs for 'Basics', 'Tags', 'Review + Create', and 'Create'. A note explains what a resource group is. The 'Project details' section includes 'Subscription' (Azure for Students), 'Resource group' (Resources), and 'Region' ((US) East US). At the bottom, there are buttons for 'Review + create', '< Previous', and 'Next: Tags >'.

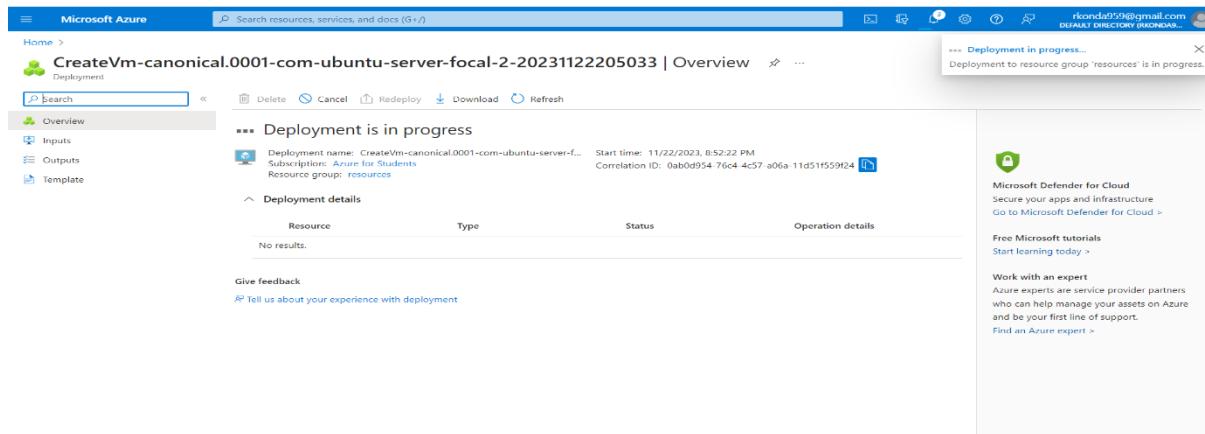
STEP4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE.

The screenshot shows the 'Resource groups' blade. It lists 'Resource groups' (NetworkWatcherRG, public_group, resources, srgn_group, sgoma_group, verified) and 'Subscription' (Azure for Students, Azure for Students). A notification on the right says 'Resource group created' and 'Creating resource group 'resources' in subscription 'Azure for Students' succeeded.' There are also buttons for 'Go to resource group' and 'Pin to dashboard'.

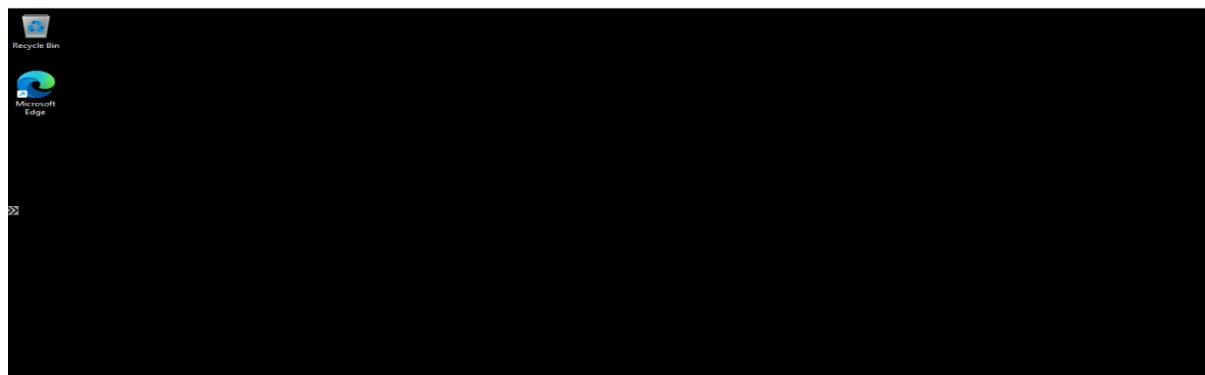
STEP5 & 6: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS ANUSERNAME AND PASSWORD FOR YOUR VIRTUAL MACINE & AND YOUR VIRTUAL MACHINE IS DEPLOYED.



STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO YOUR WINDOWS VIRTUAL MACHINE.



STEP8: CREATED A NEW WINDOWS VIRTUAL MACHINE.



EXP14. CREATE A SIMPLE WEB SITE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE

AIM: CREATE A SIMPLE WEB SITE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE

Procedure:

STEP1: FIRSTLY, GO TO APPSERVICE TO CREATE AN WEBAPP.

STEP2: ENTER THE RESOURCE GROUP AND WEBAPP NAME AND REGION AND SELECT THE LINUX OS.

STEP3: AFTER ENTER THE ALL THE NECESSARY THINGS CLICK THE REVIEW AND CREATE AND CLICK THE CREATE THE WEB APP.

STEP4: AND OUR DEPLOYMENT IS COMPLETED.

STEP5: GOTO WEBSITE URL LINK.

STEP1: FIRSTLY, GO TO APPSERVICE TO CREATE AN WEBAPP.

STEP2: ENTER THE RESOURCE GROUP AND WEBAPP NAME AND REGION AND SELECT THE LINUX OS.

STEP3: AFTER ENTER THE ALL THE NECESSARY THINGS CLICK THE REVIEW AND CREATE AND CLICK THE CREATE THE WEB APP.

STEP4: AND OUR DEPLOYMENT IS COMPLETED.

The screenshot shows the Microsoft Azure portal. The top navigation bar includes 'Microsoft Azure', a search bar, and a user account icon. The main title is 'CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231122205033 | Overview'. A message at the top right says 'Deployment in progress...' with a note: 'Deployment to resource group 'resources' is in progress.' Below this, there's a 'Deployment details' section with a table for resources, though it currently shows 'No results.' At the bottom left is a 'Give feedback' link, and at the bottom right are links for 'Microsoft Defender for Cloud', 'Free Microsoft tutorials', 'Work with an expert', and 'Find an Azure expert >'.

This screenshot shows the Microsoft Azure portal for a 'Static Web App'. The title is 'sahil | Microsoft.Web-StaticApp-Portal-6aeecalan-9223 | Overview'. The left sidebar has sections for Overview, Access control (IAM), Tags, Diagnose and solve problems, Configuration, Application Insights, Custom domains, APIs, Database connection (preview), environments, Role management, Identity, Enterprise-grade edge, Hosting Plan, Private endpoints, and Dev/Test. The main content area shows the app's configuration: Resource group (move) : app, Subscription (move) : Azure for Students, Subscription ID : 02e14e55-177e-4a7b-bd94-d3bab31d2134, Location : Global, Sku : Standard. It also shows the URL : https://witty-pond-056017a104.azurestaticapps.net, Source : main (GitHub), Deployment history : GitHub Action runs, and Edit workflow : azure-static-web-apps-witty-pond-056017a10.yml. Below this is a 'Get started' section with a 'View your application' button, showing a status of 'Waiting for deployment' and a 'Visit your site' button. There's also a 'Prepare for production (1/3 completed)' section.

STEP5: GOTO WEBSITE URL LINK.

This screenshot shows the Microsoft Azure portal for a static web app. The title is 'Your Azure Static Web App is live and waiting for your content'. It states: 'Your app is now live, but we don't have your content updates. Check the deployment status in the GitHub Actions tab in your repository. Learn more about deployment from the Static Web App deployment docs.' A 'Learn more' link is provided. To the right is a 3D icon of a server or cloud storage unit.

EXP15.CREATES A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

AIM: CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

PROCEDURE:

STEP1: GOTO AZURE AND GOTO SQLDATABASE.

STEP 02: Now Create a Sql Databse

STEP3: SELECT THE RESOURCE GROUP AND ENTER THE SERVERNAME THAT APPLICABLE.

STEP4: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.

STEP5: IN ADDITIONAL SETTINGS SELECT SAMPLE.

STEP6: AND THE SQL DATABASE IS DEPLOYED

STEP7: NOW GOTO QUERY EDITOR.

STEP8: NOW A GAIN LOGIN TO THE SQLDATADBATABASE

STEP9: OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXECUTE.

STEP1: GOTO AZURE AND GOTO SQLDATABASE

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes 'Microsoft Azure', a search bar, and user information ('rkonda95@gmail.com' and 'DEFAULT DIRECTORY (RKONDA...)'). Below the navigation is the 'SQL databases' section under 'Home > SQL databases'. The page displays a table with columns: Name, Server, Replica type, Pricing tier, Location, and Subscription. A filter bar at the top allows filtering by 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. The main content area shows a message: 'No SQL databases to display. Try changing or clearing your filters.' with a 'Create SQL database' button and a 'Learn more' link. At the bottom right is a 'Give feedback' link.

STEP 02: Now Create a Sql Database

The screenshot shows the 'Create SQL Database' wizard. Step 1: Project details. It includes sections for 'Subscription' (set to 'Azure for Students') and 'Resource group' (set to 'Select a resource group'). There are also sections for 'Database details' and 'Review + create' and 'Next : Networking' buttons. A note about simplified pricing for Hyperscale is visible.

STEP3: SELECT THE RESOURCE GROUPAND ENTER THE SERVER NAME THAT APPLICABLE.

The screenshot shows the 'Create SQL Database Server' configuration page. It includes sections for 'Server details' (Server name: 'Enter server name', Location: '(US) East US'), 'Authentication' (Azure Active Directory (Azure AD) is now Microsoft Entra ID), and a note about preferred authentication methods. At the bottom is an 'OK' button.

STEP4 & 5: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER IN ADDITIONAL SETTINGS SELECT SAMPLE.

The screenshot shows the Microsoft Azure portal with the URL [Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b | Overview](#). The deployment status is shown as "Deployment is in progress". Deployment details include:

- Deployment name: Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b
- Subscription: Azure for Students
- Resource group: readyy
- Start time: 11/22/2023, 11:11:48 PM
- Correlation ID: 2f4430a4-a719-44c6-8820-50b4e556e244

The deployment details section shows no resources listed. There are links to "Give feedback" and "Tell us about your experience with deployment". A sidebar on the right provides links to Microsoft Defender for Cloud, Free Microsoft tutorials, Work with an expert, and Find an Azure expert.

STEP6: AND THE SQL DATABASE IS DEPLOYED

The screenshot shows the Microsoft Azure portal with the URL [Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b | Overview](#). The deployment status is shown as "Deployment is in progress". Deployment details include:

- Deployment name: Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b
- Subscription: Azure for Students
- Resource group: readyy
- Start time: 11/22/2023, 11:11:46 PM
- Correlation ID: 2f4430a4-a719-44c6-8820-50b4e556e244

The deployment details section lists four resources with their types and statuses:

Resource	Type	Status	Operation details
kondareddy/ambavaram	SQL elastic pool	Accepted	Operation details
kondareddy/Default	Microsoft.Sql/servers/connection	OK	Operation details
kondareddy	SQL server	OK	Operation details
kondareddy	SQL server	Created	Operation details

There are links to "Give feedback" and "Tell us about your experience with deployment". A sidebar on the right provides links to Microsoft Defender for Cloud, Free Microsoft tutorials, Work with an expert, and Find an Azure expert.

STEP8 & 9: NOW A GAIN LOGIN TO THE SQLDATABASE & OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXECUTE.

The screenshot shows the Microsoft Azure portal with the URL [konda \(kondareddy/konda\) > konda | SQL server](#). The configuration page for the database "konda" is displayed. Key settings include:

- Resource group: readyy
- Status: Available
- Location: East US
- Subscription: Azure for Students
- Subscription ID: 02e1e5-f77e-4a7b-bd94-d3bab31d2134
- Tags: Add tags
- Server admin: sagar
- Networking: Show networking settings
- Microsoft Entra admin: Not configured
- Server name: kondareddy.database.windows.net

The "Features" section shows several options with their current status:

- Microsoft Entra admin: NOT CONFIGURED
- Automatic tuning: CONFIGURED
- Auditing: NOT CONFIGURED
- Failover groups: NOT CONFIGURED
- Transparent data encryption: SERVICE-MANAGED KEY

The bottom of the screen shows the Windows taskbar with various pinned icons.

EXP16. CREATE A STORAGE SERVICE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE.

AIM:

CREATE A STORAGE SERVICE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE.

PROCEDURE:

STEP1: OPEN AZURE AND GOTO STORAGE ACCOUNTS AND CREATE STOROAGE ACCOUNT

STEP2: ENTER THE RESOURC GROUP AND AND STORAGE ACCOUNT NAME AND REVIEW AND CREATE AND CLICK TH CREATE AND YOUR STORAGE ACCOUNT WILL BE DEPLOYED SUCESSFULLY.

STEP3: OUR STORAGE ACCOUNT IS CREATED.

STEP4: GOTO STATIC WEBSITE

STEP5: AND ENABLE AND ENTER YOUR INDEX AND ERROR HTML FILES NAMES.

STEP6: AND GOTO STORAGE EXPLORR(REVIEW) AND AND GOTO BLOB CONTAINERS AND WEB AND UPLOAD THE TWO HTML FILES INIT

STEP7: AND AGAIN RETURN TO STATIC WEBSITE AND OPEN THE PRIMARY LINK AND YOUR WEB PAGE IS CREATED .

STEP1: OPEN AZURE AND GOTO STORAGE ACCOUNTS AND CREATE STOROAGE ACCOUNT.

The screenshot shows the Microsoft Azure portal homepage. At the top, there's a search bar and a user profile icon. Below the header, there are sections for 'Azure services' and 'Resources'. The 'Resources' section has tabs for 'Recent' and 'Favorite', and a table for viewing resources by Name, Type, and Last Viewed. A message says 'No resources have been viewed recently' with a 'View all resources' button. At the bottom, there's a 'Navigate' bar with links for Subscriptions, Resource groups, All resources, and Dashboard.

STEP2: ENTER THE RESOURC GROUP AND AND STORAGE ACCOUNT NAME AND REVIEW AND CREATE AND CLICK TH CREATE AND YOUR STORAGE ACCOUNT WILL BE DEPLOYED SUCESSFULLY.

The screenshot shows the 'Deployment' blade for a deployment named 'Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b'. The 'Overview' tab is selected, showing a message 'Deployment is in progress'. It lists the deployment name, subscription ('Azure for Students'), and resource group ('reddy'). The 'Deployment details' section shows a table with columns for Resource, Type, Status, and Operation details. A note says 'There are no resources to display.' At the bottom, there's a 'Give feedback' section with a link 'Tell us about your experience with deployment'.

STEP3: OUR STORAGE ACCOUNT IS CREATED.

STEP4: GOTO STATIC WEBSITE

STEP5: AND ENABLE AND ENTER YOUR INDEX AND ERROR HTML FILES NAMES.

STEP7: AND AGAIN RETURN TO STATIC WEBSITE AND OPEN THE PRIMARY LINK AND YOUR WEB PAGE IS CREATED .

EXP17.CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

AIM: CREATE A SQL STORAGE SERVICE AND PERFORM A BASIC QUERY USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE/GCP/AWS) TO DEMONSTRATE DATABASE AS A SERVICE (DAAS)

PROCEDURE:

STEP1: GOTO AZURE AND GOTO SQLDATABASE.

STEP 02: Now Create a Sql Database

STEP3: SELECT THE RESOURCE GROUP AND ENTER THE SERVERNAME THAT APPLICABLE.

STEP4: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.

STEP5: IN ADDITIONAL SETTINGS SELECT SAMPLE.

STEP6: AND THE SQL DATABASE IS DEPLOYED

STEP7: NOW GOTO QUERY EDITOR.

STEP8: NOW AGAIN LOGIN TO THE SQLDATADATABASE

STEP9: OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXECUTED.

STEP1: GOTO AZURE AND GOTO SQLDATABASE.

The screenshot shows the Microsoft Azure Storage accounts page. At the top, there's a search bar and navigation links. Below it, a table lists storage accounts with columns for Name, Type, Kind, Resource group, Location, and Subscription. A filter bar at the top allows setting filters for Subscription, Resource group, Location, and Type. The message "Showing 0 to 0 of 0 records." is displayed. In the center, a large gray box says "No storage accounts to display". Below it, a note explains how to create a storage account for storing up to 500TB of data in the cloud, mentioning Blob storage, file shares, and general-purpose storage accounts. It also discusses cost optimization based on access patterns. A "Create storage account" button is visible.

STEP 02: Now Create a Sql Database.

The screenshot shows the Microsoft Azure "Create a storage account" wizard, Step 1: Basics. The page has tabs for Basics, Advanced, Networking, Data protection, Encryption, Tags, and Review. Under Basics, there are sections for Container soft delete, Container retention period in days, File share soft delete, File share retention period in days, Versioning, Blob change feed, and Version-level immutability support. All these options are set to their default values. An "Encryption" section shows the encryption type as Microsoft-managed keys (MMK), and options for customer-managed keys and enable infrastructure encryption, all set to disabled. At the bottom, there are buttons for "Create", "< Previous" and "Next >", "Download a template for automation", and "Give feedback".

STEP3: SELECT THE RESOURCE GROUP AND ENTER THE SERVERNAME THAT APPLICABLE.

Microsoft Azure Search resources, services, and docs (G+)

Home > SQL databases > Create SQL Database > **Create SQL Database Server** ...

Microsoft

Server details

Enter required settings for this server, including providing a name and location. This server will be created in the same subscription and resource group as your database.

Server name * .database.windows.net

Location *

Authentication

Azure Active Directory (Azure AD) is now Microsoft Entra ID. Learn more [?](#)

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication (new mode) or using an existing Microsoft Entra user, group, or application as Microsoft Entra admin. Learn more [?](#), or select both SQL and Microsoft Entra authentication.

OK

STEP4: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.

Microsoft Azure Search resources, services, and docs (G+)

Home > All resources > Create a resource > Marketplace > **Create SQL Database** ...

Microsoft

Want to try Azure SQL Database for free? Create a free serverless database with the first 100,000 vCore seconds, 8GB of data, and 32GB of backup storage free per month for the lifetime of the subscription. [Learn more](#) [?](#)

Lower, simplified pricing for SQL Database Hyperscale starts from 15th of December 2023. [Learn more](#) [?](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription [Change](#)

Resource group [Select a resource group](#) [Create new](#)

Database details

Enter required settings for this database, including picking a logical server and configuring the compute and storage.

Review + create **Next : Networking >**

STEP6: AND THE SQL DATABASE IS DEPLOYED

Microsoft Azure Search resources, services, and docs (G+)

Home > **Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b | Overview** ...

Deployment

Deployment name : Microsoft.SQLDatabase.newDatabaseNewServerNewElasticPool_444348b Start time : 11/22/2023, 11:11:46 PM Correlation ID : 2f1430a4-a719-4fc8-8820-50bf4c556e244 Subscription : Azure for Students Resource group : ready

Deployment details

Resource	Type	Status	Operation details
There are no resources to display.			

Give feedback
Tell us about your experience with deployment

Microsoft Defender for Cloud
Secure your apps and infrastructure [Go to Microsoft Defender for Cloud](#)

Free Microsoft tutorials
[Start learning today](#)

Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. [Find an Azure expert](#)

STEP8: NOW AGAIN LOGIN TO THE SQLDATABASE.

Microsoft Azure Search resources, services, and docs (G+)

Home > kondareddy (kondareddy/konda) > **kondareddy** SQL server

Overview

- Activity log
- Access control (IAM)
- Tags
- Quick start
- Diagnose and solve problems

Settings

- Microsoft Entra ID
- SQL databases
- SQL elastic pools
- DTU quota
- Properties
- Locks
- Data management
- Backups
- Deleted databases

Essentials

Resource group (move) : ready	Status : Available	Location : East US	Subscription (move) : Azure for students	Subscription ID : 02e14e55-777e-4a7b-bd94-d3bab31d2134	Server admin : sagar	Networking : Show networking settings	Microsoft Entra admin : Not configured	Server name : kondareddy.database.windows.net
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Notifications (0) **Features (6)**

- Microsoft Entra admin** NOT CONFIGURED
- Microsoft Defender for SQL** NOT CONFIGURED
- Automatic tuning** CONFIGURED
- Fallback groups** NOT CONFIGURED
- Transparent data encryption** SERVICE-MANAGED KEY

Feedback