6. Aim :- Create the vm ware application with name.

procedure :

⇒ At first we should create vm ware workstation app

⇒ Then open it. it show the options

⇒ click "home" button

→ Directly shows some options they are

+ create a new virtual machine	open vm	connect server

⇒ click "create a new vm ware" it asks choose the virtual machine

⇒ It shows just operation system installation click next.

⇒ To select the operation.
- ⇒ microsoft
- ⇒ Linux
- ⇒ vmware
- ⇒ other

⇒ Give name to vm and give no. of processors

⇒ Then allocate memory, choose network

⇒ type and select disk type and click

→ vm will be created with the following

7. Aim :- To create a vm using vmware workstation with 1 cpu, 2 Gb ram and 15 Gb storages and launch it.

procedure :-

1- Install the virtualization software -

⇒ It has ~~work~~ vm workstation as type 2

⇒ download an os image (~~iso~~) file [preferably ubuntu os).

⇒ start vm ware.

⇒ configure the hardware setting

⇒ Install the vm and launch.

- ⇒ vm
- → vmm
- → virtualization.
- ⇒ Types of virtualization with examples.

outcome :- The vm using ubuntu image has be configured and installed on a type 2 hypervisor using vm ware workstation

Memory	: 2 GB
processors	: 2
Hard disk	: 15 GB
CD DVD	: Autodetect
USB controller	: present.

memory upgradation

8. Aim :- To create a virtual hard disc for the given virtual machine and allocate around 10 Gb of storage from the physical HDD.

procedure :-

⇒ firstly launch the vm using vmware workstation.
⇒ under customize hardware → add storage.
⇒ select appropriate storage type [SCSI/IDE]
⇒ finish the configuration of storage.
⇒ check to see if the additional hard disk is added in the vm

outcome :- an virtual hard disk has been added inside the vm machine

memory : 2GB
Processor : 2
Harddisc : 10GB
Networkadaptor : NAT
USB controller : present

snapshot creation

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

⇒ To create a cloned version of the existing vm and open it from storage.

procedure :-

⇒ create a snapshot of the vm.
⇒ deleted few files and restore the snapshot by launching the snapversion of the vm.
⇒ shutdown the vm and create a clone of vm under mange vm.
⇒ open the vmx file from the cloned location of the vm and test the clonedversion.

outcome :- The snapshot and clone of the vm has been implemented and tested.

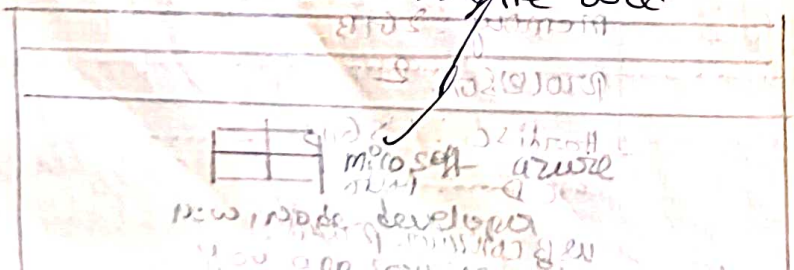
memory : 2GB
Processor : 2
Harddisc : 15GB
CD : Auto
USB controller : present
Sound card : using

10. Aim :- To create a web application using Maven and deploy and publish it on the internet and access it via the URL application.

Procedure :-

=> launch the app service in microsoft azure portal.
=> Give a valid web app name.
=> Select code and select either Java or not as runtime stack
=> Select the preferred web server stack either Tomcat or JBOSS
=> Select the preferred OS.
=> Select the region for deploying the app
=> Review and create
=> deploy it on the given URL
=> use the url of the web app and check to see if it is working.

output :- A simple cloud application has been created using Java a tomcat web server. deployed it has been used the url.

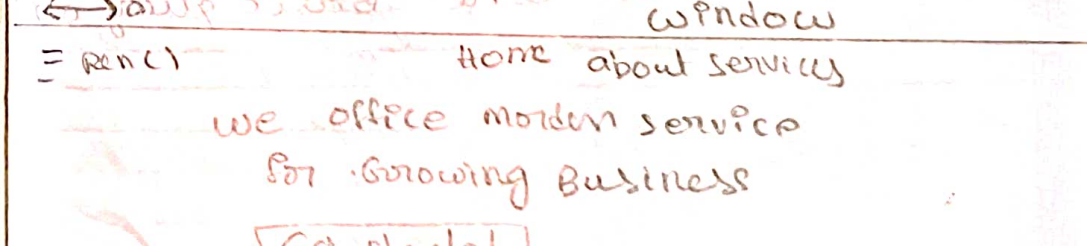


11 Aim :- To create a storage service using microsoft azure and demonstrate it by using a static web page service.

Procedure :-

=> Create a storage accounts in microsoft azure portal
=> Give a valid username and select region
=> configue the storage device
=> select a static web page and give index.html and uou html
=> Go to storage explorer and select the blob and upload the html file.
=> Check the primary url and to verify whether the static webpage is accesible thr internet as a public service

outcome :- static web page has been stored as a blob in the storage service of azure and accessed it using url.



12.

Aim :- To develop a database and store it in sql storage service provided by microsoft azure and perform a simple query operation

procedure :-

⇒ launch sql database from microsoft azure portal.
⇒ Give a proper database name
⇒ select the server → give a valid server.
⇒ Give admin name and password
⇒ Configure the database.
⇒ select either availability DB or create a new database.
⇒ Review ~~launch~~ launch.
⇒ deploy it
⇒ perform simple query on the database.

outcome :- An sql database has been configured and created using microsoft azure and then done basic query on it.

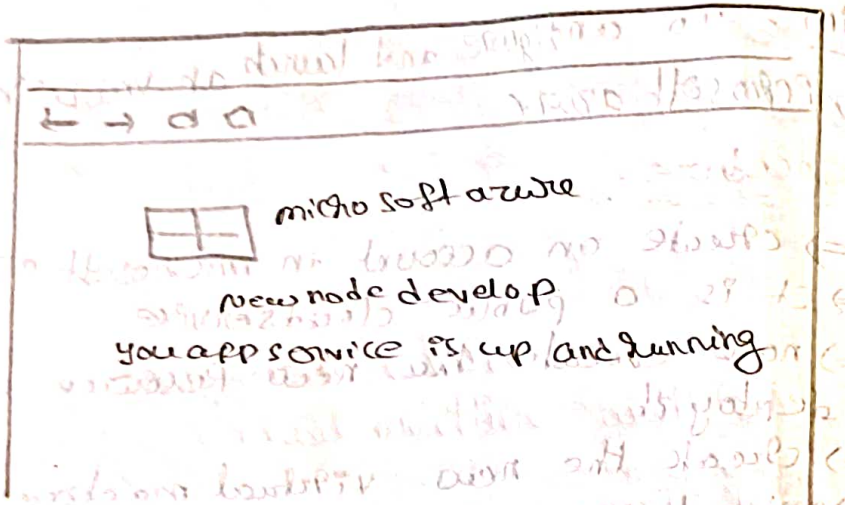
query editor

13.

Aim :- To configure and launch an vm using microsoft azure

procedure :-

⇒ create an account in microsoft azure
⇒ It is a public cloud service
⇒ now create the new Resource and deploy it.
⇒ Create the new virtual machine
⇒ under basis select the resource group and select prefered region.
⇒ under basis, select the resource group and select prefered region.
⇒ select the image and size sql server
⇒ select the size → 1 CPU and 3.5 Ram.
⇒ Give proper administration user name and password
⇒ configure the disc
⇒ Review and create vm identify the ip numbers associated with the vm.
⇒ launch the vm and test its functionality.



Result : Thus the web application is created and successfully executed.

14 Aim : To prove cloud service of azure with ram and storage.

procedure :

⇒ first create an account in the microsoft azure

⇒ Go to the resource and create the resource

⇒ give neccessary things for resource group

⇒ now, create a vm with you ID and upper name and password for vm.

⇒ new, resuse virtual machine site.

⇒ created a new window virtual machine.

output

memory	: 2GB
process	: 2
Hardware	: 20
cpldwn	: auto
network	: NAT

Result : Created a cloud vm and then the hardware compatabilities

15

Aim :- To create a virtual machine of a cloning and test it by loading the previous version

Procedure :-

⇒ Go to vm workstation
⇒ Create a virtual machine with 2GB. ram
⇒ Create a virtual machine with 4GB.
⇒ the clone of vm.

⇒ explanation :-

⇒ after increasing the vm workstation for installing the we need to check which os is suitable.
⇒ Then select the option as vm ware workshop.
⇒ after installing vm ware → open Creator a new virtual machine.
⇒ Then click above option as per your require ment
⇒ select specify disc capacity and check compatability

output :-

memory	: 2GB
processor	: 2
Hardware	: 20GB
CD	: Auto
network	: NAT
usb	: present

Result :- The virtual machine is created and also verified.