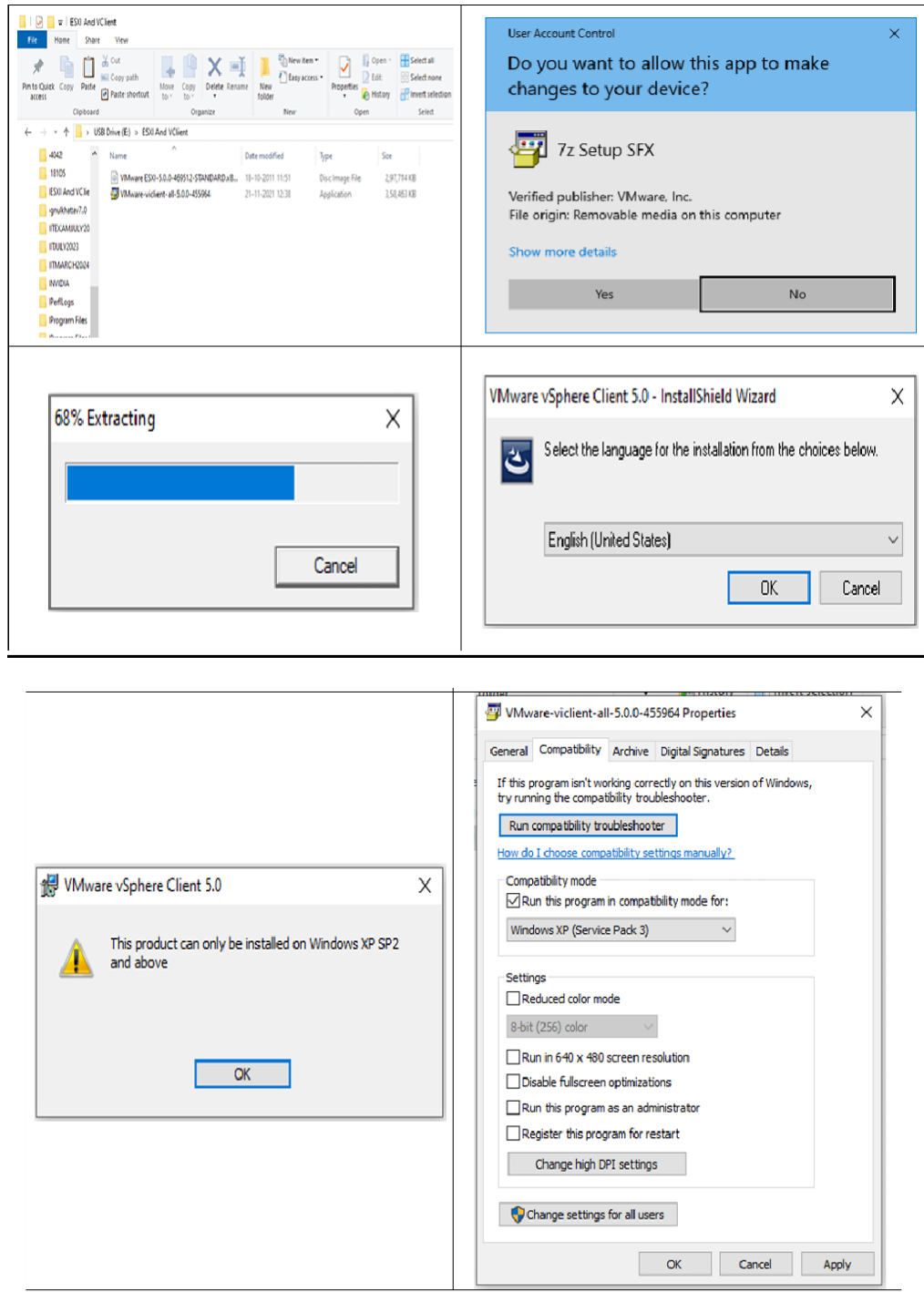


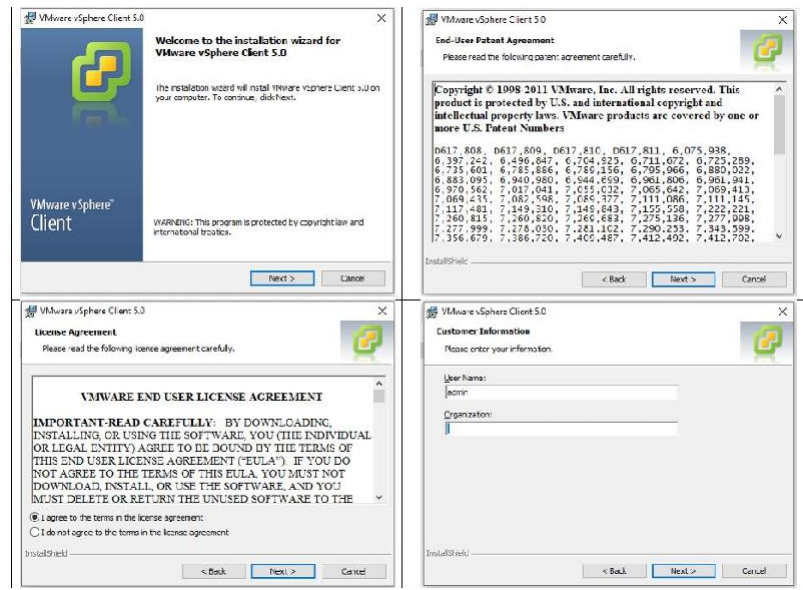
Practical 6: Implement virtualization using VMWare ESXi Server and managing with vCenter.

Steps:

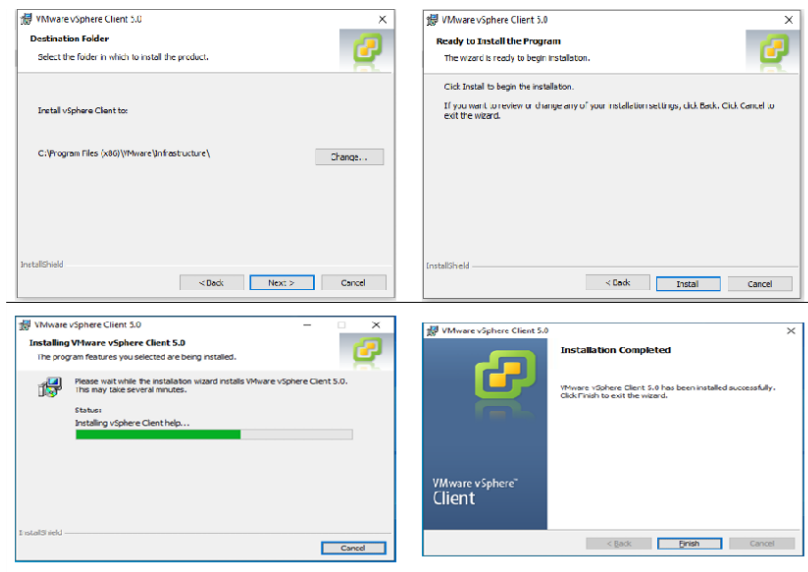
Step 1: Install VMware vSphere Client.



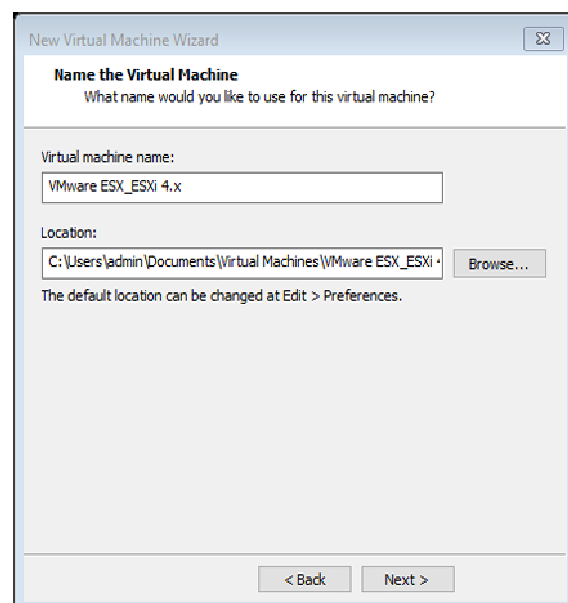
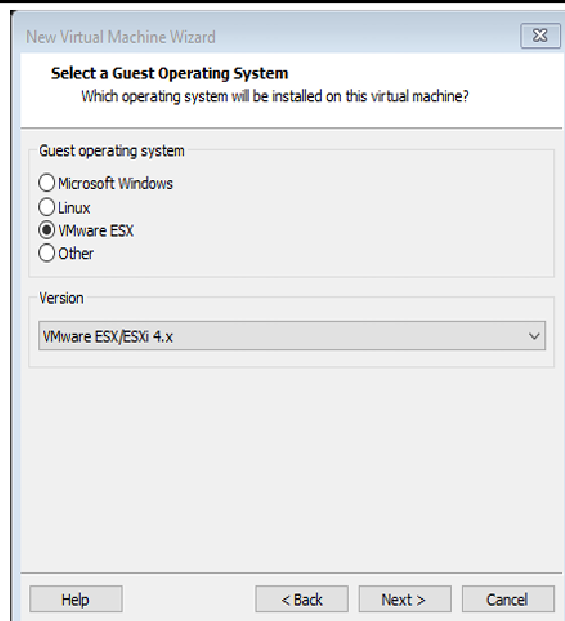
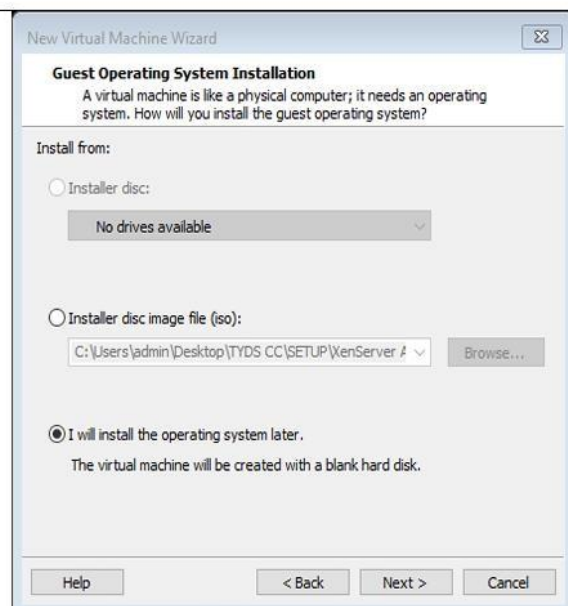
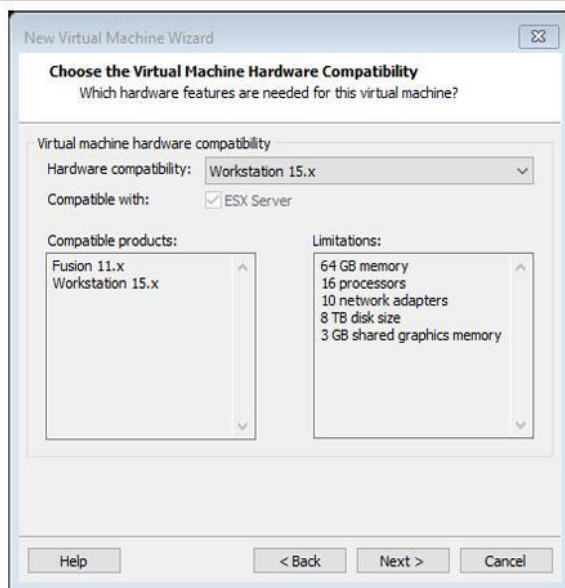
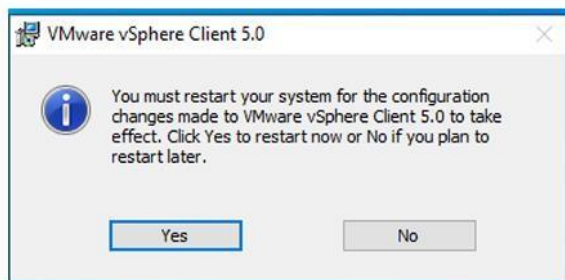
Step 2: Click on Next.



Step 3: Click on Install and then click on Finish.



Step 4: Click on Yes and then click on Next.



New Virtual Machine Wizard

Processor Configuration

Specify the number of processors for this virtual machine.

Processors

Number of processors: 2

Number of cores per processor: 2

Total processor cores: 4

Help < Back Next > Cancel

New Virtual Machine Wizard

Memory for the Virtual Machine

How much memory would you like to use for this virtual machine?

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

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: 6.2 GB

Recommended memory: 4 GB

Guest OS recommended minimum: 4 GB

Help < Back Next > Cancel

New Virtual Machine Wizard

Network Type

What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

New Virtual Machine Wizard

Select I/O Controller Types

Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

Help < Back Next > Cancel

New Virtual Machine Wizard

Select a Disk Type

What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NVMe

NVMe disks are not supported by VMware ESX/ESXi 4.x.

Help < Back Next > Cancel

New Virtual Machine Wizard

Select a Disk

Which disk do you want to use?

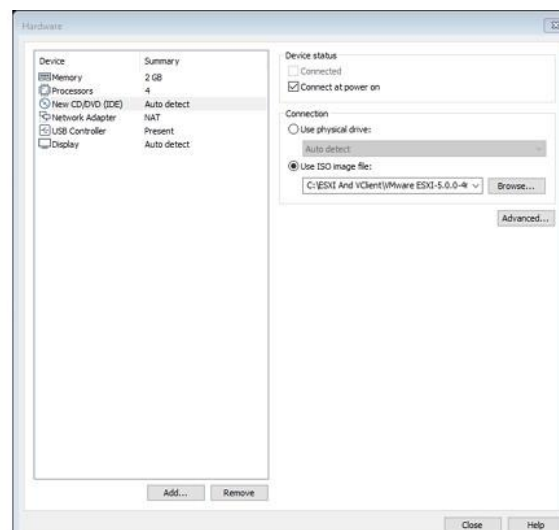
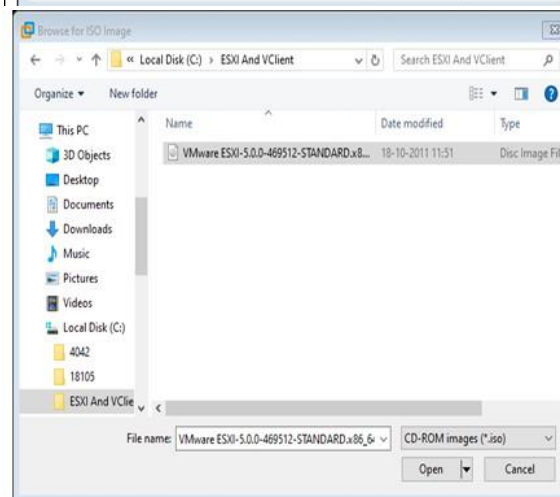
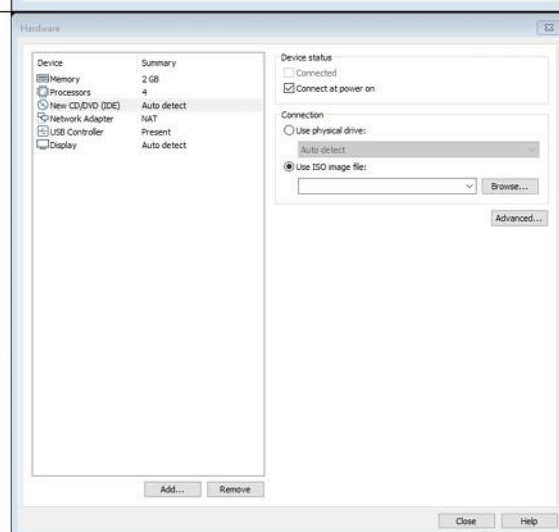
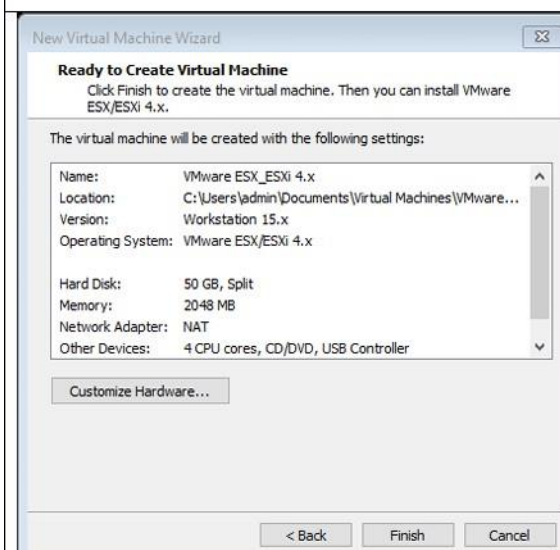
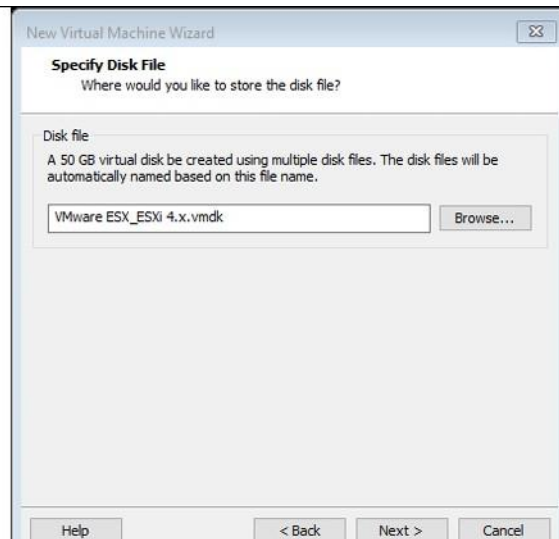
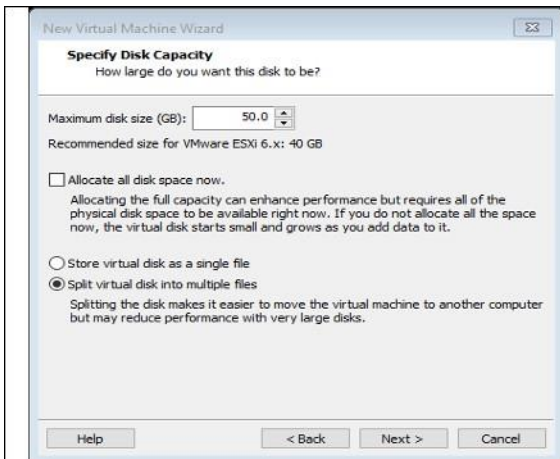
Disk

☒ Create a new virtual disk
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

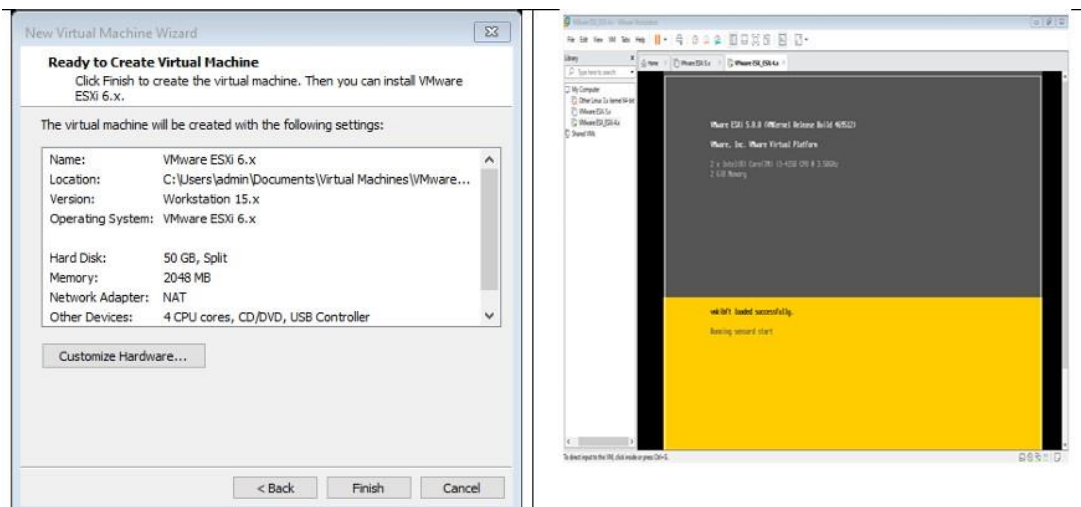
☐ Use an existing virtual disk
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

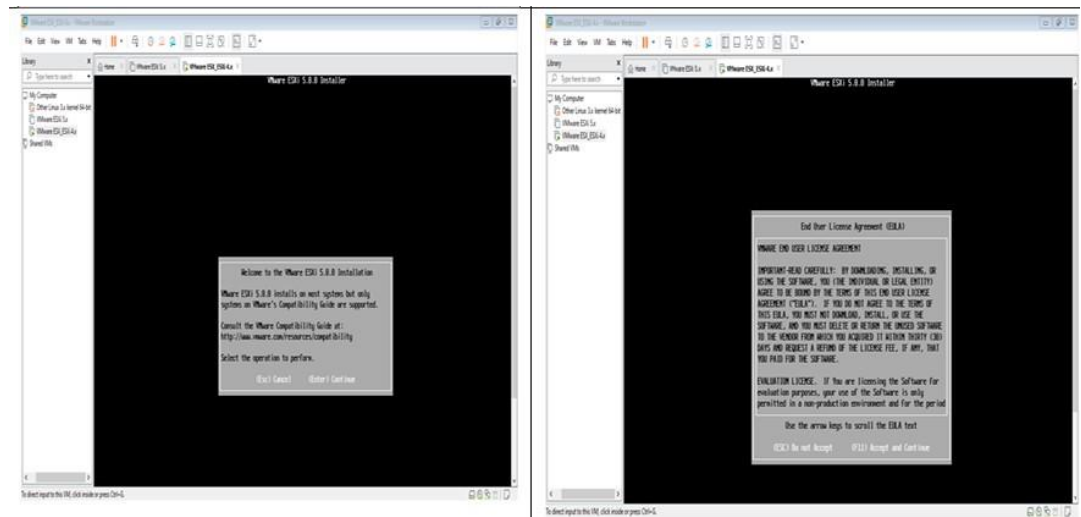
Help < Back Next > Cancel



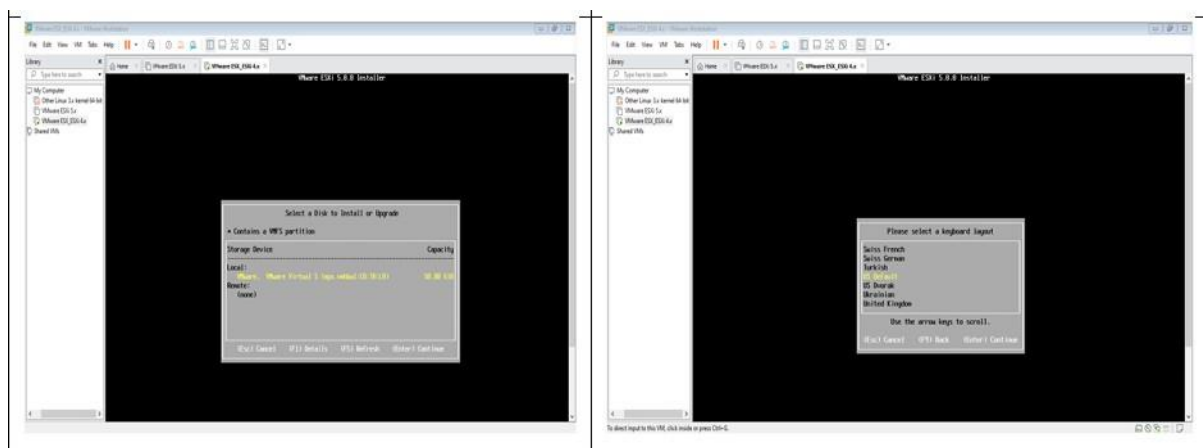
Step 5: Click on Finish.



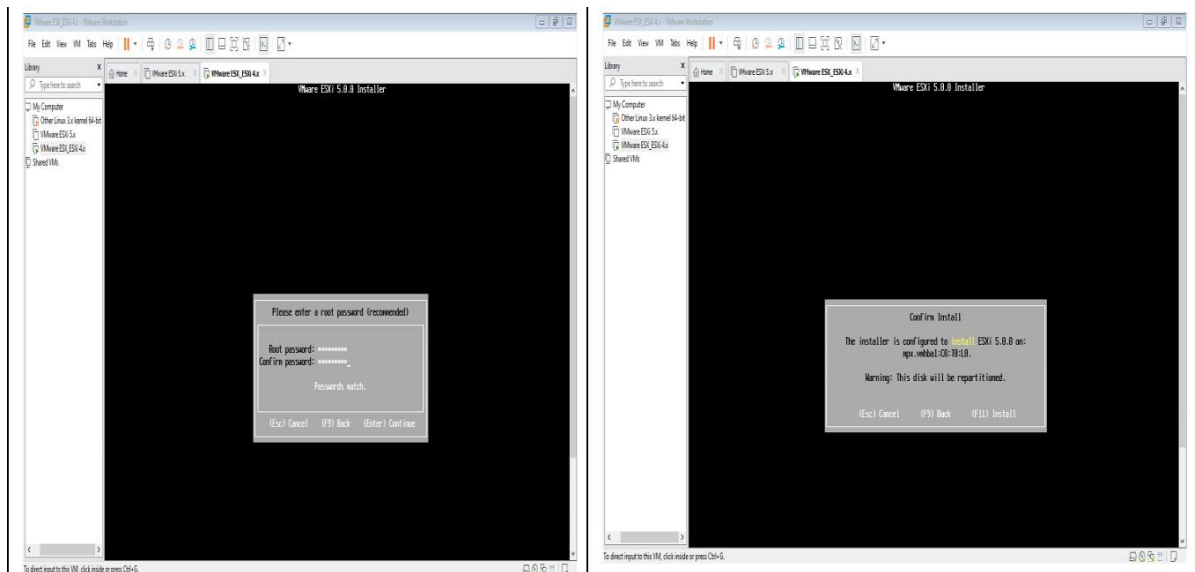
Step 6: Press the continue and accept the License Agreement.



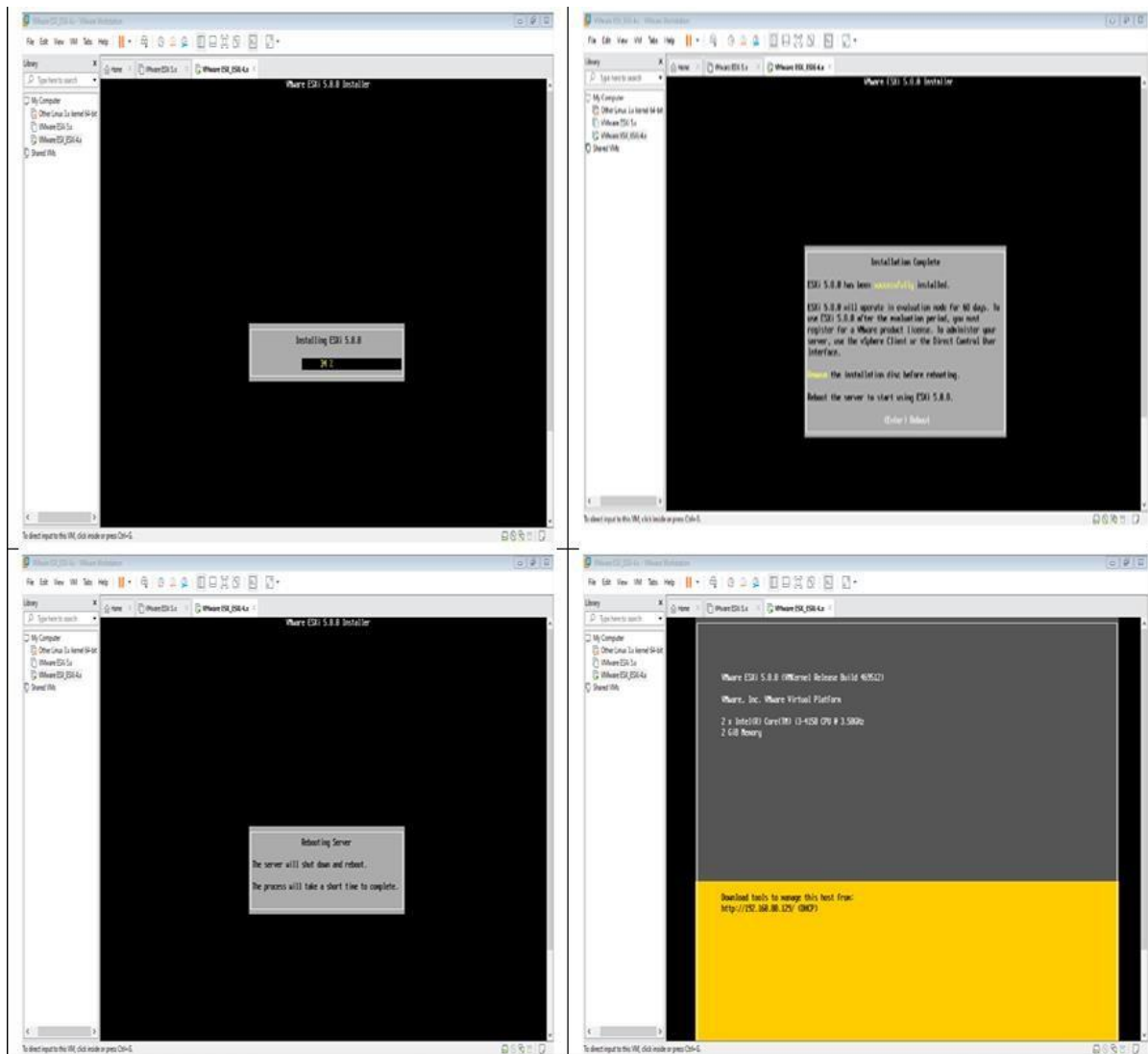
Step 7: Select the all default one option which one is recommended by the system.



Step 8: Enter the password.



Step 9: Reboot the system.



Step 10: Enter the IP address, Username and Password and then login.

The image displays four sequential screenshots from a Windows desktop environment, illustrating the steps to connect to a VMware vSphere host.

Top Left Screenshot: VMware vSphere Client
This is the main login window. It features the VMware logo and the text "VMware vSphere™ Client". Below this, instructions state: "To directly manage a single host, enter the IP address or host name. To manage multiple hosts, enter the IP address or name of a vCenter Server." The form includes three input fields: "IP address / Name:" with the value "192.168.80.129", "User name:" with the value "root@1234", and "Password:" with masked characters "*****". There is an unchecked checkbox for "Use Windows session credentials". At the bottom are "Login", "Close", and "Help" buttons.

Top Right Screenshot: Security Warning
This dialog box is titled "Security Warning". It contains a section "Certificate Warnings" with the following text: "An untrusted SSL certificate is installed on '192.168.80.129' and secure communication cannot be guaranteed. Depending on your security policy, this issue might not represent a security concern. You may need to install a trusted SSL certificate on your server to prevent this warning from appearing." Below this, it states: "The certificate received from '192.168.80.129' was issued for 'localhost:localhost'. Secure communication with '192.168.80.129' cannot be guaranteed. Ensure that the fully-qualified domain name on the certificate matches the address of the server you are trying to connect to." At the bottom, there is a "View Certificate" button, and "Ignore" and "Cancel" buttons. A checkbox at the very bottom is checked, with the label "Install this certificate and do not display any security warnings for '192.168.80.129'".

Bottom Left Screenshot: Certificate
This window shows the details of a certificate. It has tabs for "General", "Details", and "Certification Path", with "General" selected. The title is "Certificate Information". A warning message says: "Windows does not have enough information to verify this certificate." Below this, the following information is displayed: "Issued to: localhost:localhost", "Issued by: VMware Installer", and "Valid from 20-02-2024 to 21-08-2035". At the bottom are "Install Certificate..." and "Issuer Statement" buttons, and an "OK" button at the very bottom.

Bottom Right Screenshot: Welcome to the Certificate Import Wizard
This is the first step of a wizard. It is titled "Welcome to the Certificate Import Wizard". The text explains: "This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store." It then defines a certificate: "A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept." Under the heading "Store Location", there are two radio buttons: "Current User" (which is selected) and "Local Machine". Below this, it says "To continue, click Next." At the bottom are "Next" and "Cancel" buttons.

