Exp No: 1 **Date: 17/07/2024**

VIRTUALIZATION

CONFIGURATION AND CREATION OF VIRTUAL MACHINE

AIM:

To configure a Virtual Machine using VM ware and Launch the VM and execute a simple program using C/PYTHON/JAVA.

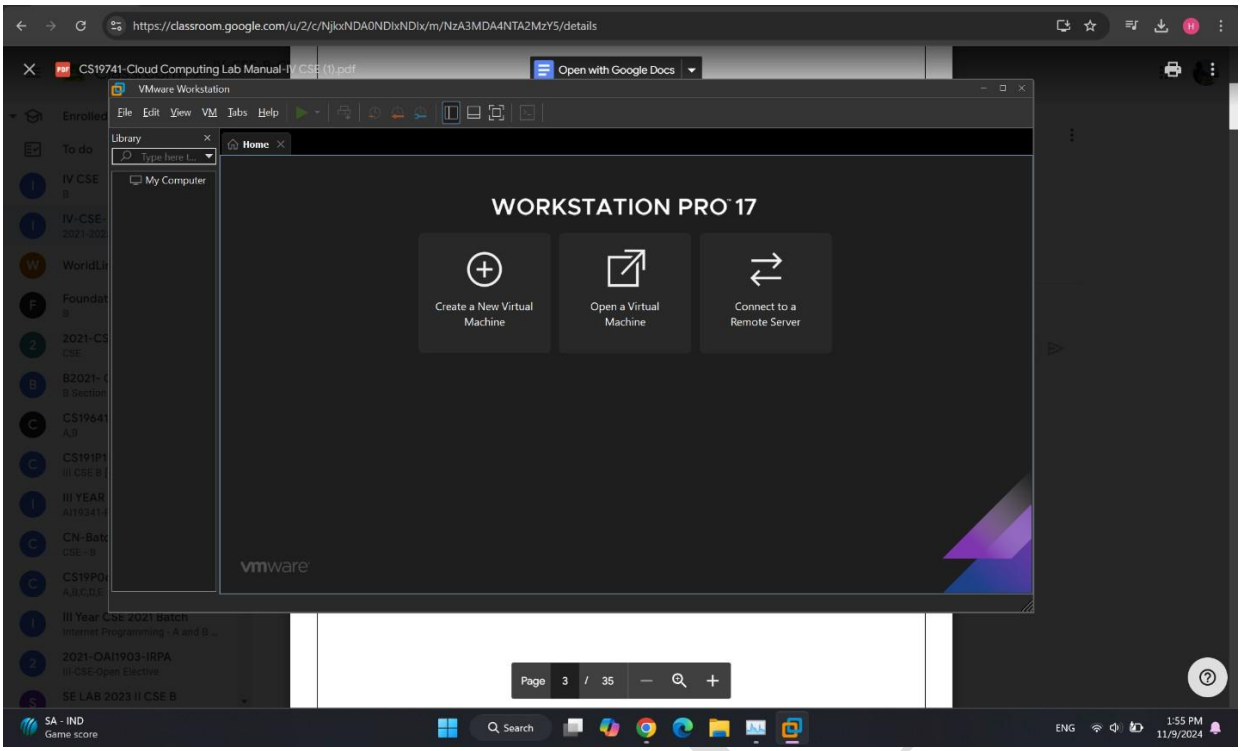
PROCEDURE:

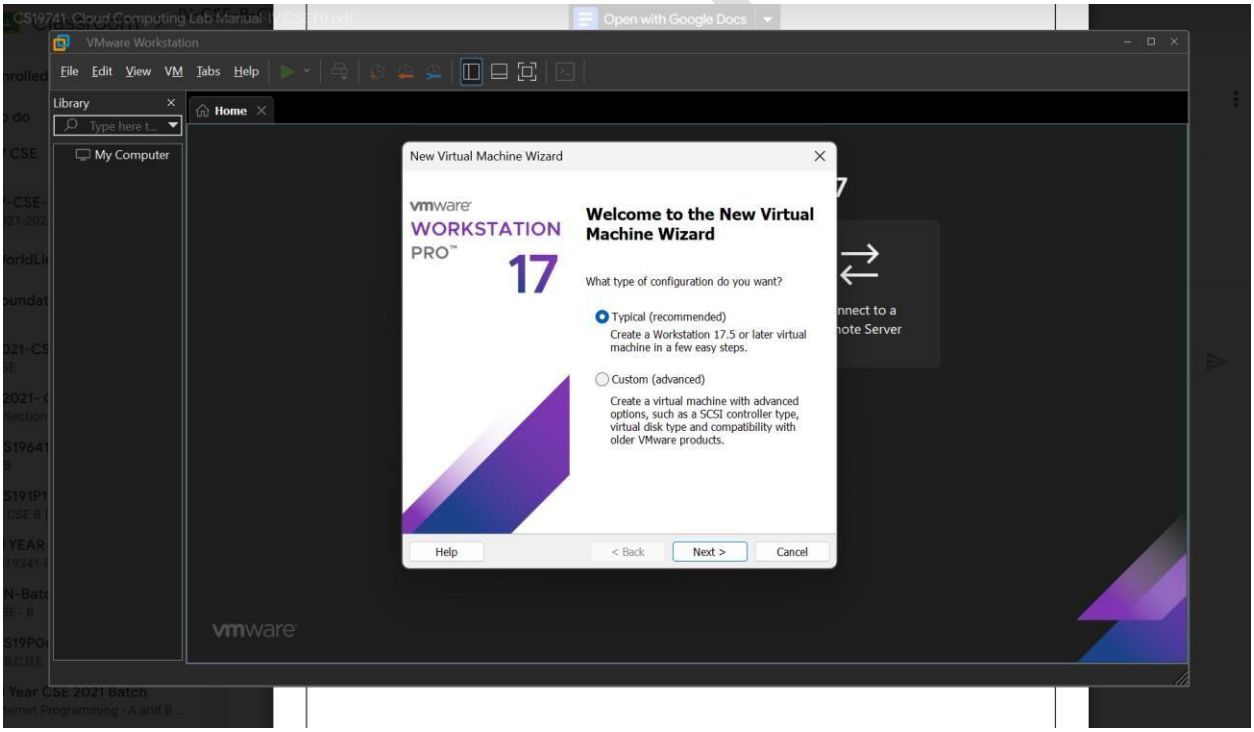
1. Launch a VM ware
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

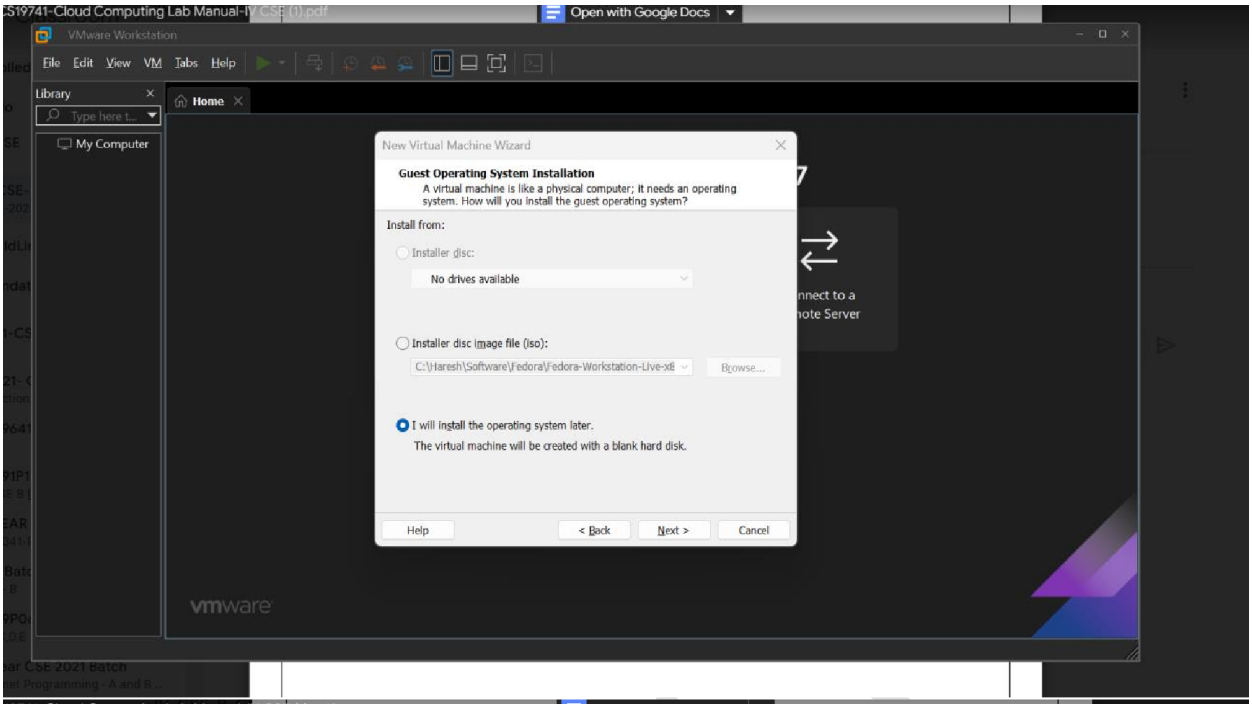
OUTPUT:

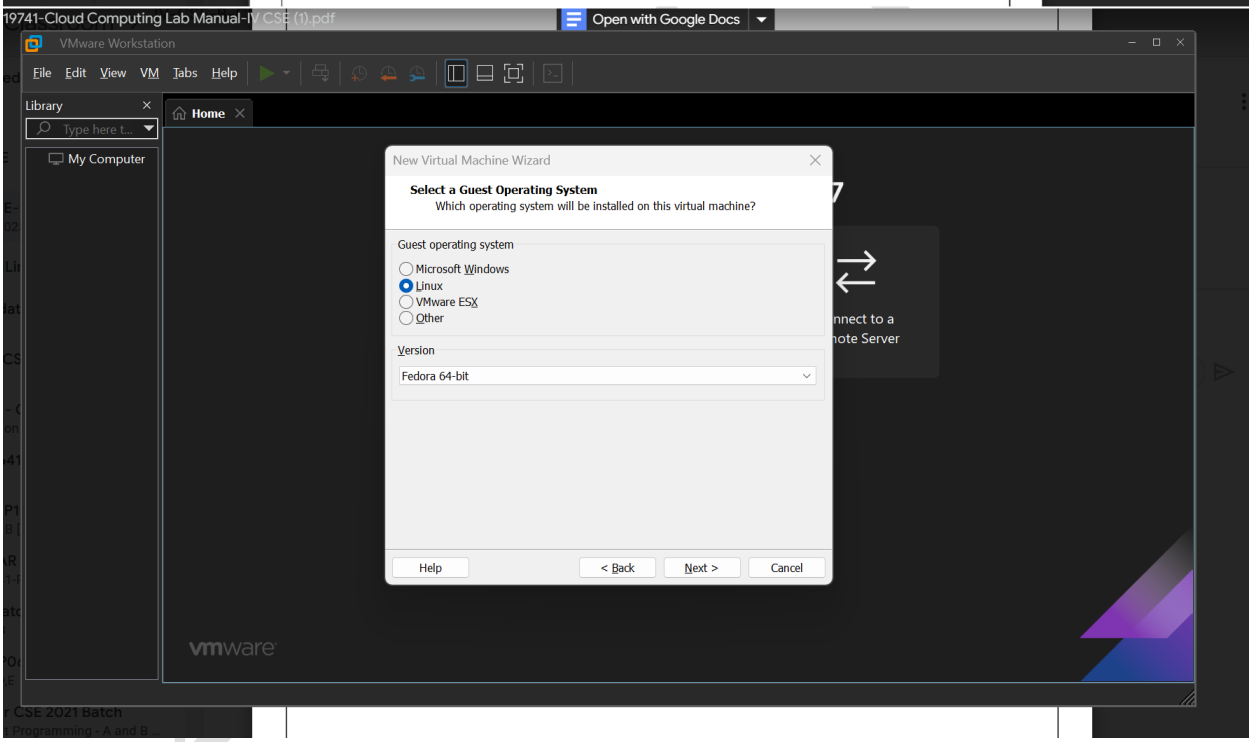
Typical Configuration:

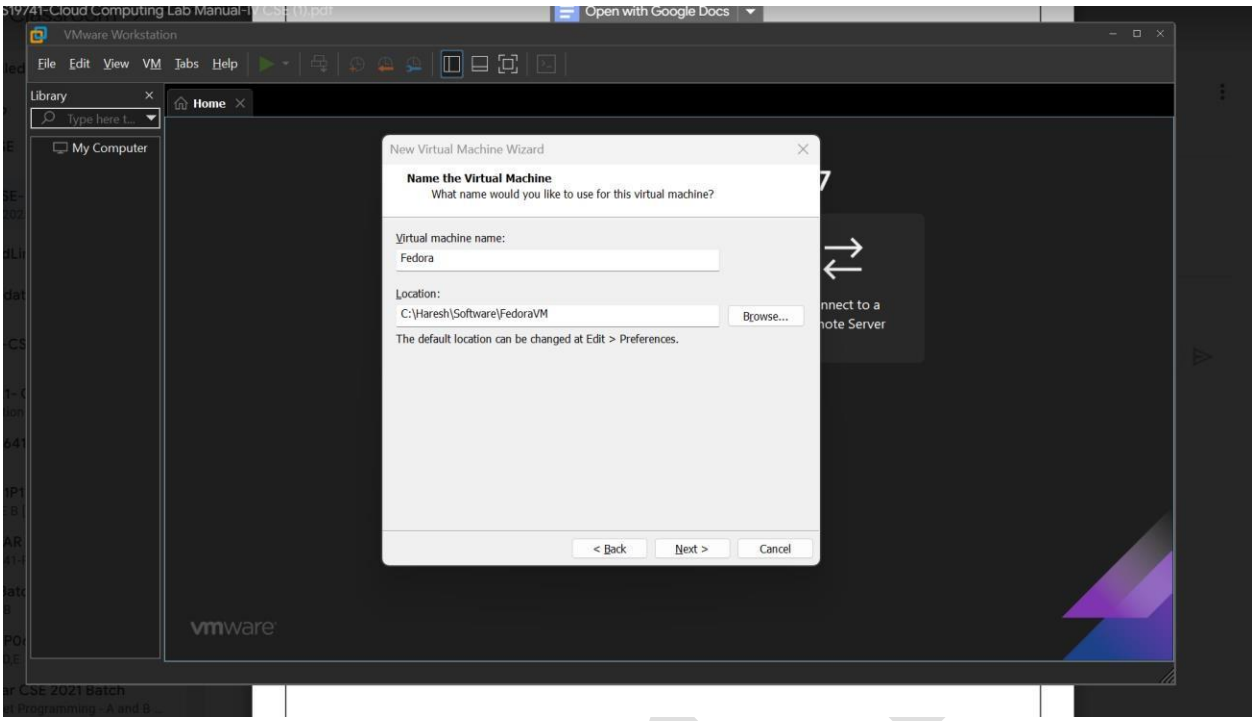
210701126

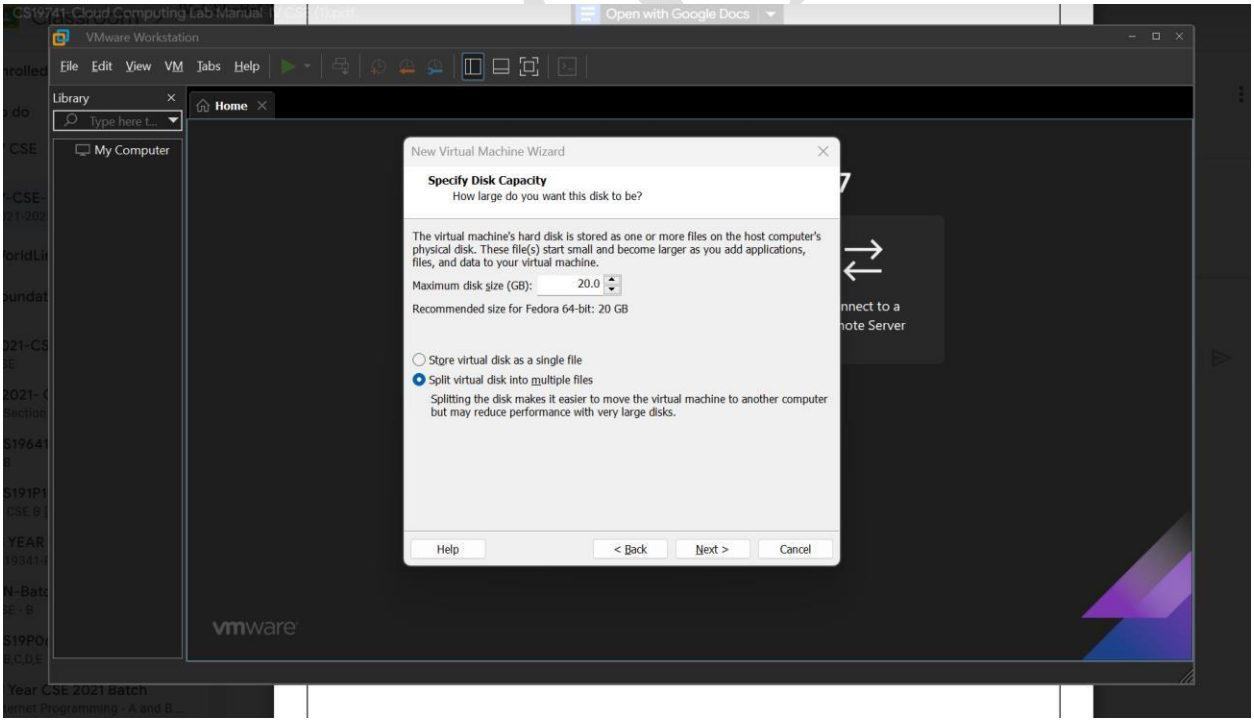

VMware Workstation
File Edit View VM Tabs Help
Library
Home
My Computer
WORKSTATION PRO 17
Create a New Virtual Machine
Open a Virtual Machine
Connect to a Remote Server
vmware

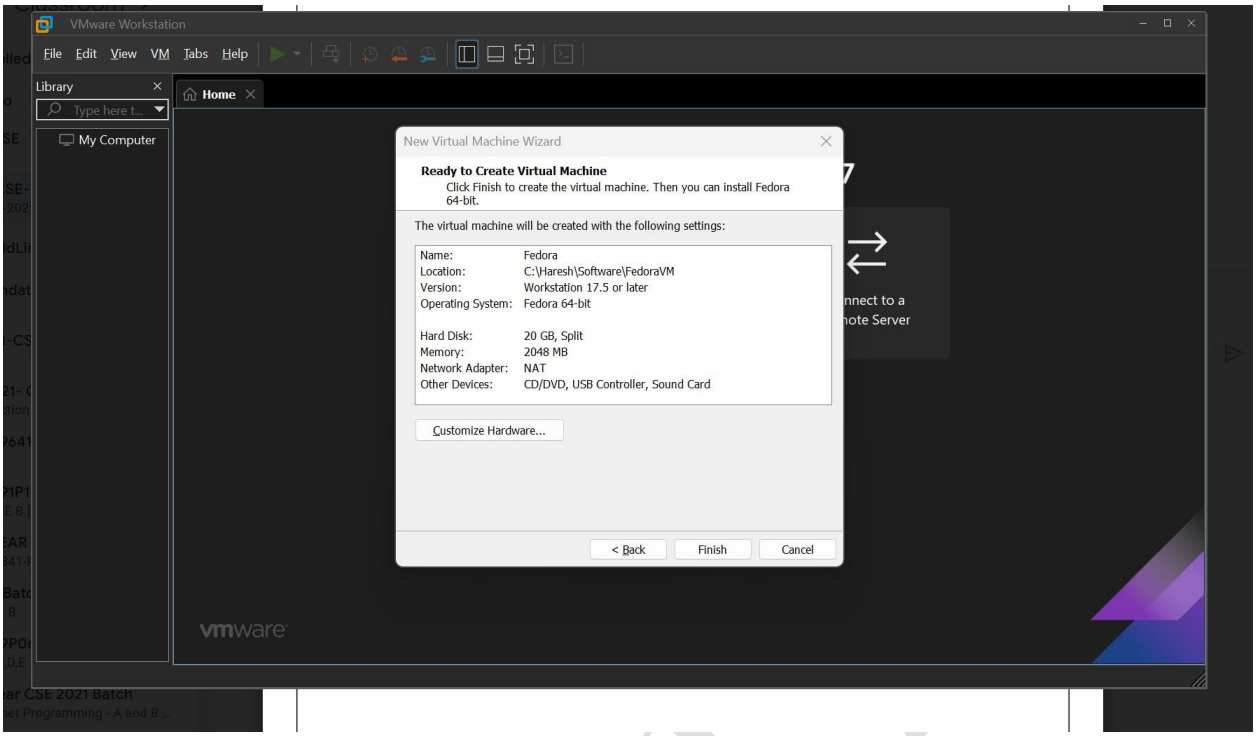

VMware Workstation
File Edit View VM Tabs Help
Library
Home
My Computer
New Virtual Machine Wizard
vmware
WORKSTATION PRO
17
Welcome to the New Virtual Machine Wizard
What type of configuration do you want?
Typical (recommended)
Create a Workstation 17.5 or later virtual machine in a few easy steps.
Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.
Help
< Back
Next >
Cancel
vmware

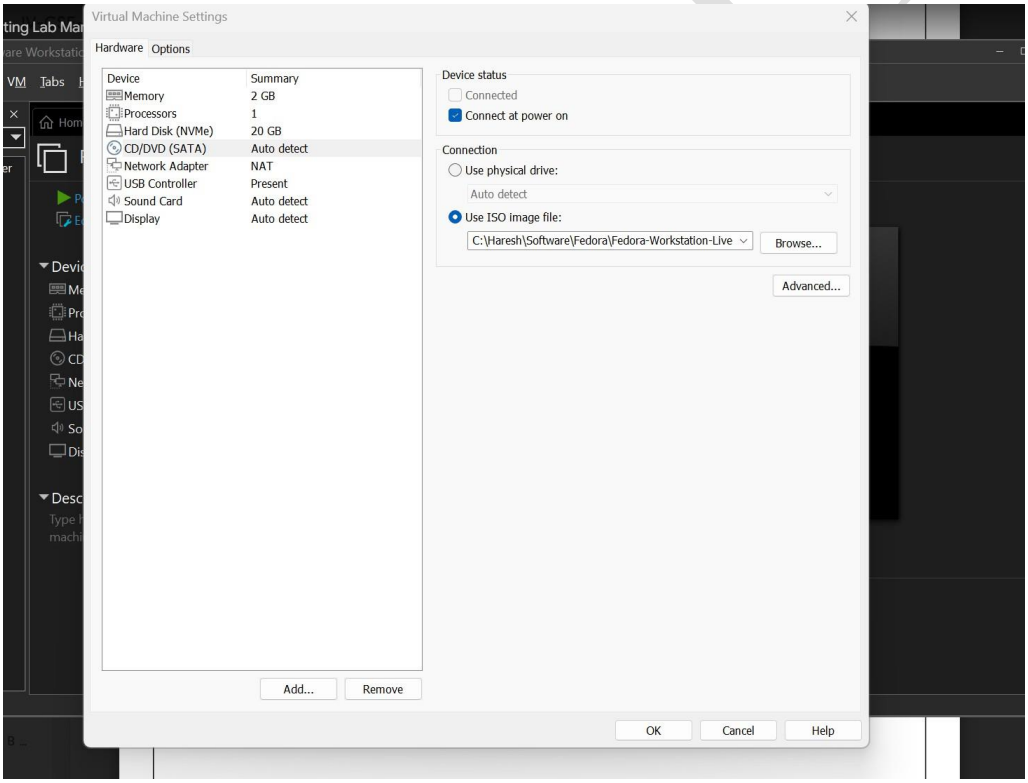

Open with Google Docs
VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Home
New Virtual Machine Wizard
Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?
Install from:
Installer disc:
No drives available
Installer disc image file (iso):
C:\Haresh\Software\Fedora\Fedora-Workstation-Live-x8
Browse...
I will install the operating system later.
The virtual machine will be created with a blank hard disk.
Help
< Back
Next >
Cancel
vmware

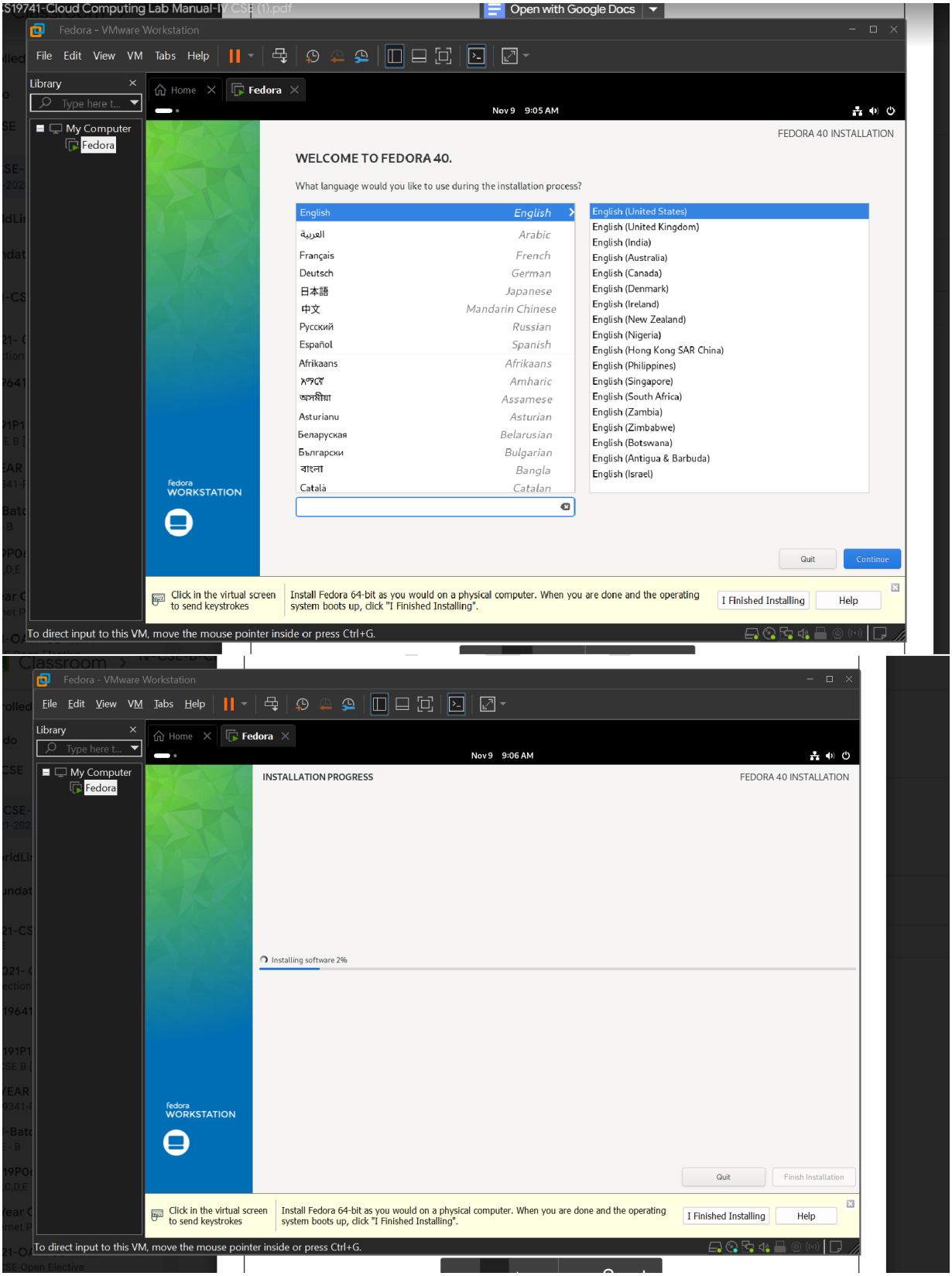

Open with Google Docs
VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Home
New Virtual Machine Wizard
Select a Guest Operating System
Which operating system will be installed on this virtual machine?
Guest operating system
Microsoft Windows
Linux
VMware ESX
Other
Version
Fedora 64-bit
Help
< Back
Next >
Cancel
vmware

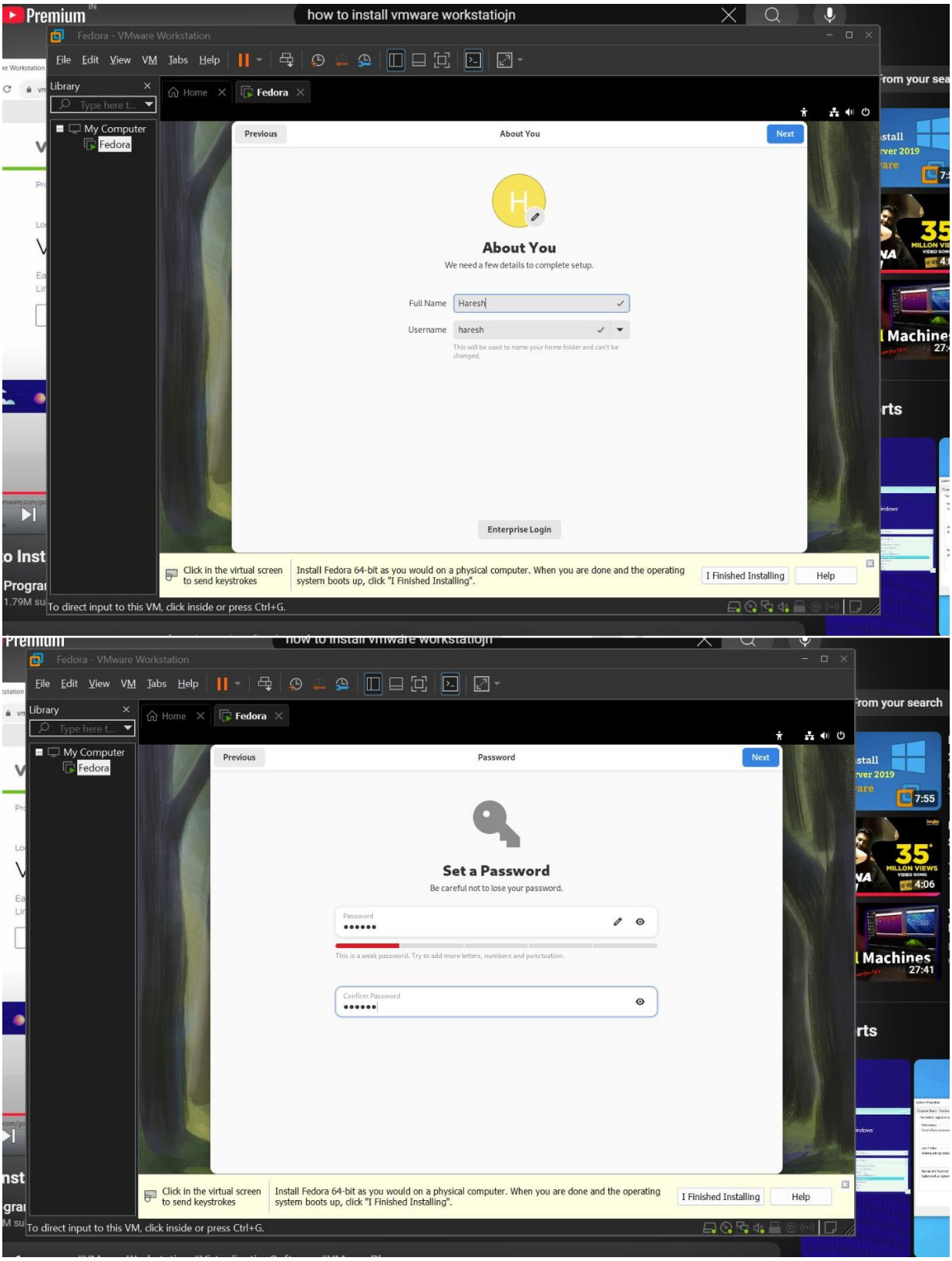

VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Home
New Virtual Machine Wizard
Name the Virtual Machine
What name would you like to use for this virtual machine?
Virtual machine name:
Fedora
Location:
C:\Haresh\Software\FedoraVM
Browse...
The default location can be changed at Edit > Preferences.
< Back
Next >
Cancel
vmware

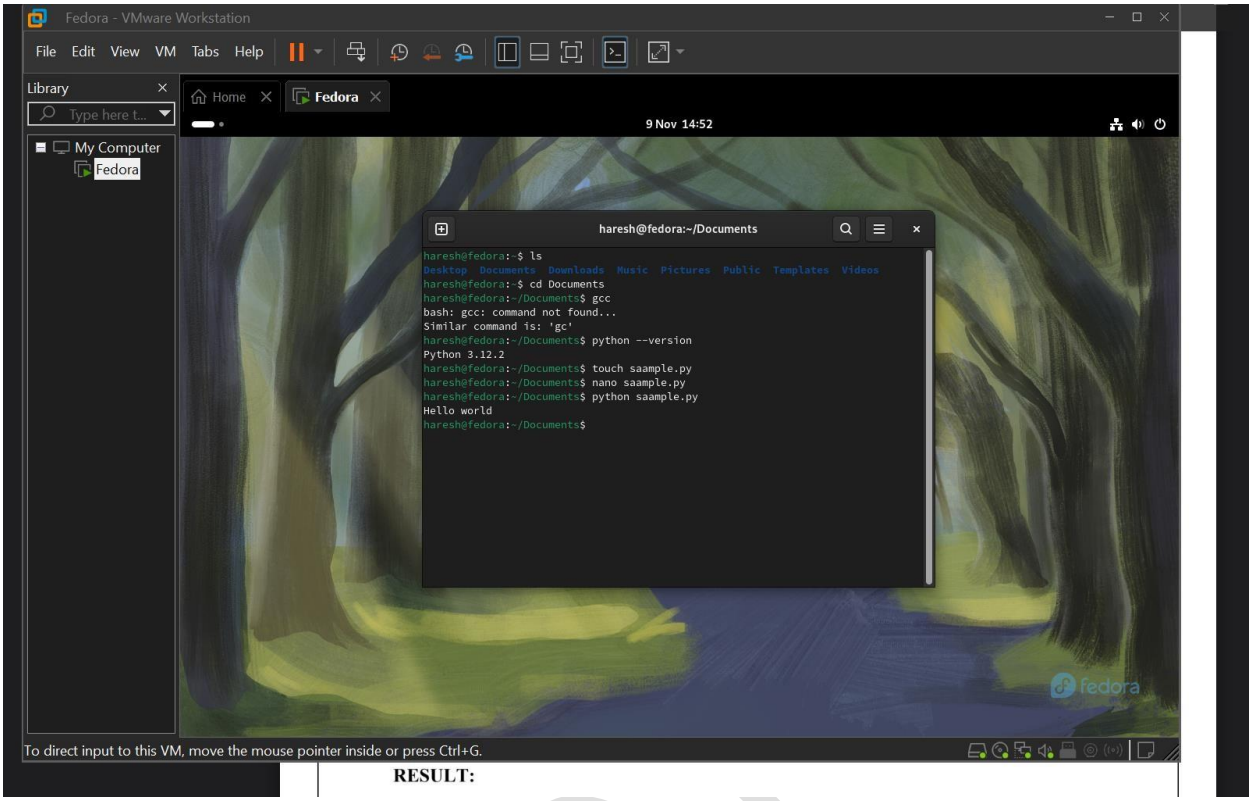

VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Home
New Virtual Machine Wizard
Specify Disk Capacity
How large do you want this disk to be?
The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.
Maximum disk size (GB): 20.0
Recommended size for Fedora 64-bit: 20 GB
Store virtual disk as a single file
Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.
Help
< Back
Next >
Cancel
vmware


VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Home
New Virtual Machine Wizard
Ready to Create Virtual Machine
Click Finish to create the virtual machine. Then you can install Fedora 64-bit.
The virtual machine will be created with the following settings:
Name: Fedora
Location: C:\Haresh\Software\FedoraVM
Version: Workstation 17.5 or later
Operating System: Fedora 64-bit
Hard Disk: 20 GB, Split
Memory: 2048 MB
Network Adapter: NAT
Other Devices: CD/DVD, USB Controller, Sound Card
Customize Hardware...
< Back
Finish
Cancel
vmware


Virtual Machine Settings
Hardware Options
Device Summary
Memory 2 GB
Processors 1
Hard Disk (NVMe) 20 GB
CD/DVD (SATA) Auto detect
Network Adapter NAT
USB Controller Present
Sound Card Auto detect
Display Auto detect
Add...
Remove
Device status
Connected
Connect at power on
Connection
Use physical drive:
Auto detect
Use ISO image file:
C:\Haresh\Software\Fedora\Fedora-Workstation-Live
Browse...
Advanced...
OK
Cancel
Help


Open with Google Docs
Fedora - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Fedora
Home
Fedora
Nov 9 9:05 AM
FEDORA 40 INSTALLATION
WELCOME TO FEDORA 40.
What language would you like to use during the installation process?
English English
العربية Arabic
Français French
Deutsch German
日本語 Japanese
中文 Mandarin Chinese
Русский Russian
Español Spanish
Afrikaans Afrikaans
አማርኛ Amharic
অসমীয়া Assamese
Asturianu Asturian
Беларуская Belarusian
Български Bulgarian
বাংলা Bangla
Català Catalan
English (United States)
English (United Kingdom)
English (India)
English (Australia)
English (Canada)
English (Denmark)
English (Ireland)
English (New Zealand)
English (Nigeria)
English (Hong Kong SAR China)
English (Philippines)
English (Singapore)
English (South Africa)
English (Zambia)
English (Zimbabwe)
English (Botswana)
English (Antigua & Barbuda)
English (Israel)
fedora WORKSTATION
Quit
Continue
Click in the virtual screen to send keystrokes
Install Fedora 64-bit as you would on a physical computer. When you are done and the operating system boots up, click "I Finished Installing".
I Finished Installing
Help
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.
Fedora - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Fedora
Home
Fedora
Nov 9 9:06 AM
INSTALLATION PROGRESS
FEDORA 40 INSTALLATION
Installing software 2%
fedora WORKSTATION
Quit
Finish Installation
Click in the virtual screen to send keystrokes
Install Fedora 64-bit as you would on a physical computer. When you are done and the operating system boots up, click "I Finished Installing".
I Finished Installing
Help
To direct input to this VM, move the mouse pointer inside or press Ctrl+G.


how to install vmware workstatiojn
Fedora - VMware Workstation
File Edit View VM Tabs Help
Library
Type here t...
My Computer
Fedora
Home
Fedora
Previous
About You
Next
About You
We need a few details to complete setup.
Full Name
Haresh
Username
haresh
This will be used to name your home folder and can't be changed.
Enterprise Login
Click in the virtual screen to send keystrokes
Install Fedora 64-bit as you would on a physical computer. When you are done and the operating system boots up, click "I Finished Installing".
I Finished Installing
Help
To direct input to this VM, click inside or press Ctrl+G.
Password
Set a Password
Be careful not to lose your password.
Password
This is a weak password. Try to add more letters, numbers and punctuation.
Confirm Password



RESULT:

21070

RESULT:

Virtual Machine has been successfully set up using VMWare workstation pro and Python program executed successfully.