

Experiment No- 01

Aim: Installation of Unix Operating System

Roll No.	17
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Class	D10A
Subject	Unix Lab
Lab Outcome	LO1: Understand the architecture and functioning of Unix
Date of Performance/ Submission	19/1/2022-26/1/2022

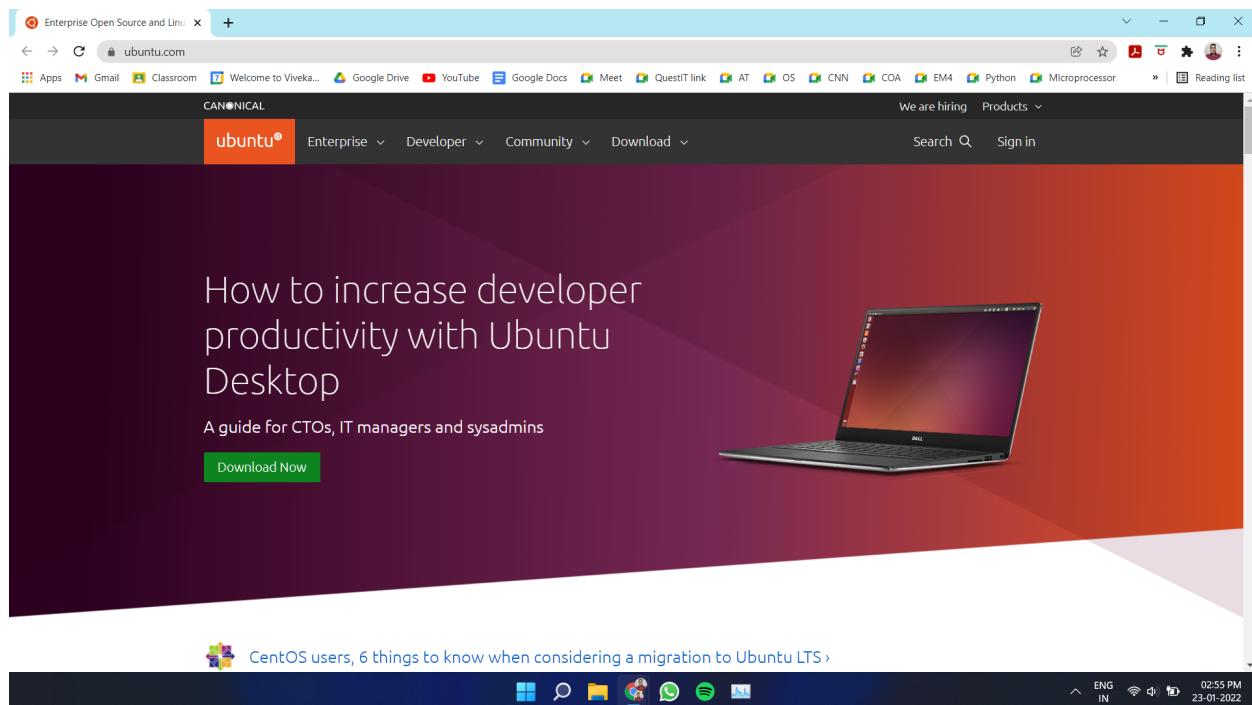
Aim: Installation of Unix Operating System

Introduction:

1. **OS:-** An operating system (OS) is system software that manages computer hardware, software resources, and provides common services for computer programs.
2. **Ubuntu:-** Ubuntu is a complete Linux operating system, freely available with both community and professional support

Theory: There are many steps to install an operating system. In our it is a UNIX operating system , so let's see how to install it in a stepwise manner.

1. First visit the official website of Ubuntu and click on the download button on the top of the website.



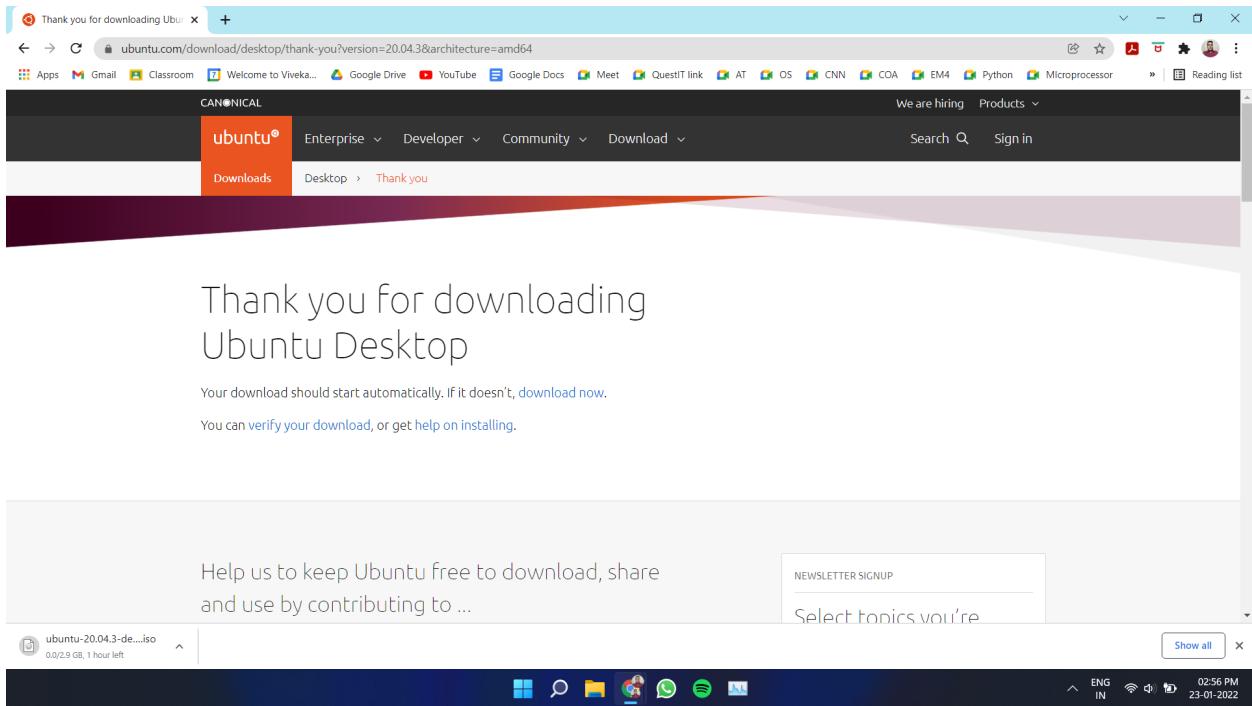
2. Choose the latest version of Ubuntu and download it.

The screenshot shows the official Ubuntu download page. At the top, there are links for 'Enterprise', 'Developer', and 'Community'. Below that, a 'Download' dropdown menu is open, showing options like 'Ubuntu Desktop', 'Ubuntu Server', 'Ubuntu for IoT', and 'Ubuntu Cloud'. Under 'Ubuntu Desktop', the '20.04 LTS' button is highlighted in green, while '21.10' is in a grey box. To the right, there are sections for 'Ubuntu Server' (with links for Mac and Windows, ARM, IBM Power, and s390x), 'Ubuntu for IoT' (with links for Raspberry Pi, Intel IoT platforms, Intel NUC, KVM, Qualcomm Dragonboard 410c, Intel IEI TANK 870, and Xilinx Evaluation kits & SOMs), and 'Ubuntu Cloud' (with links for Amazon AWS, Microsoft Azure, Google Cloud Platform, and more). Below these sections, there are links for 'TUTORIALS', 'READ THE DOCS', 'OTHER WAYS TO DOWNLOAD', and 'UBUNTU FLAVOURS'. The URL in the address bar is <https://ubuntu.com/download/desktop/thank-you?version=20.04.3&architecture=amd64>. The system tray at the bottom right shows the date as 23-01-2022 and the time as 02:55 PM.

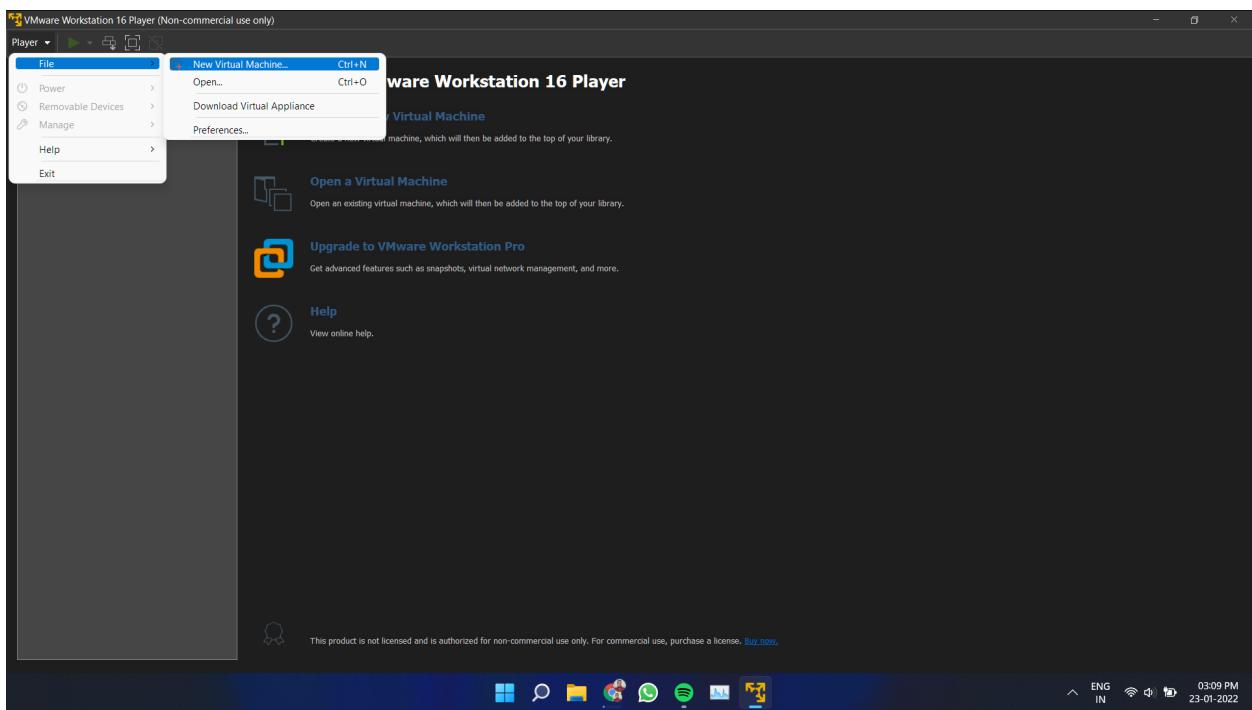
3. Choose where to save the iso file.

The screenshot shows a 'Save As' dialog box from a Windows file explorer. The path 'This PC > Downloads' is selected. In the main area, it says 'No items match your search.' Below the path, there are fields for 'File name:' containing 'ubuntu-20.04.3-desktop-amd64' and 'Save as type:' set to 'Disc Image File'. At the bottom, there are 'Save' and 'Cancel' buttons, and a note: 'Your download should start automatically. If it doesn't, download now.'

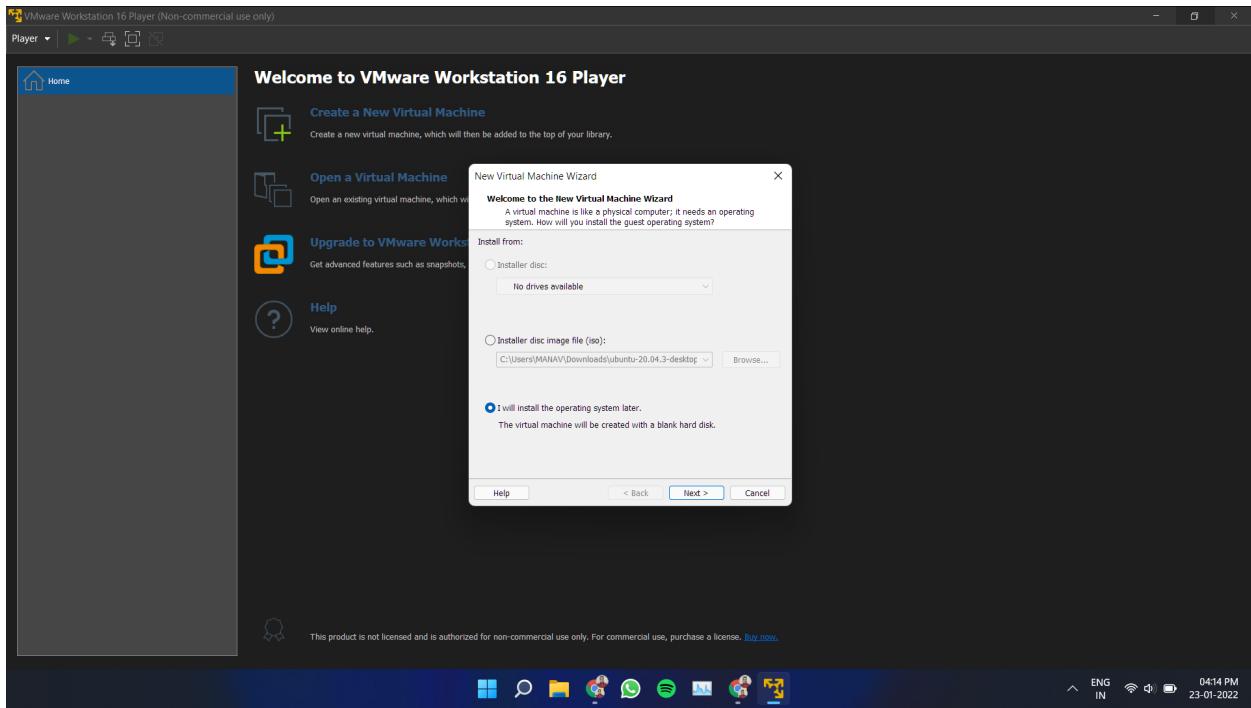
4. Your download should start automatically.



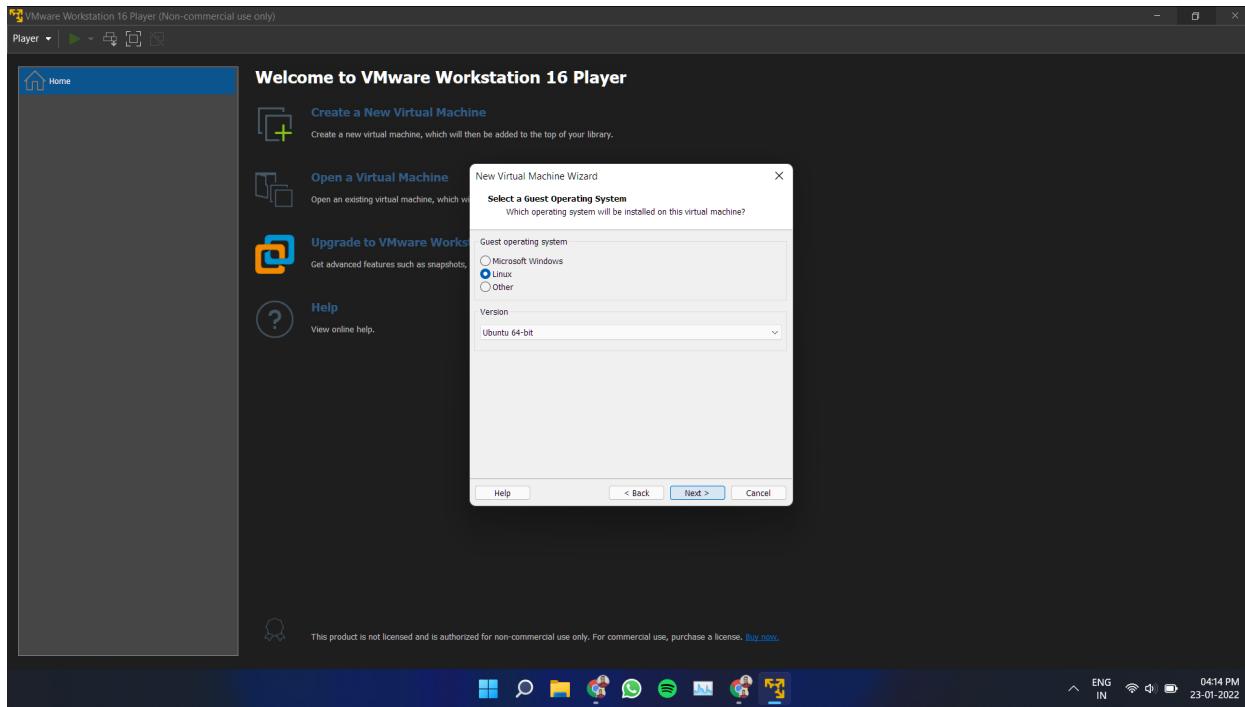
5. Creating a virtual machine on VMWare , click on File > New Virtual Machine...



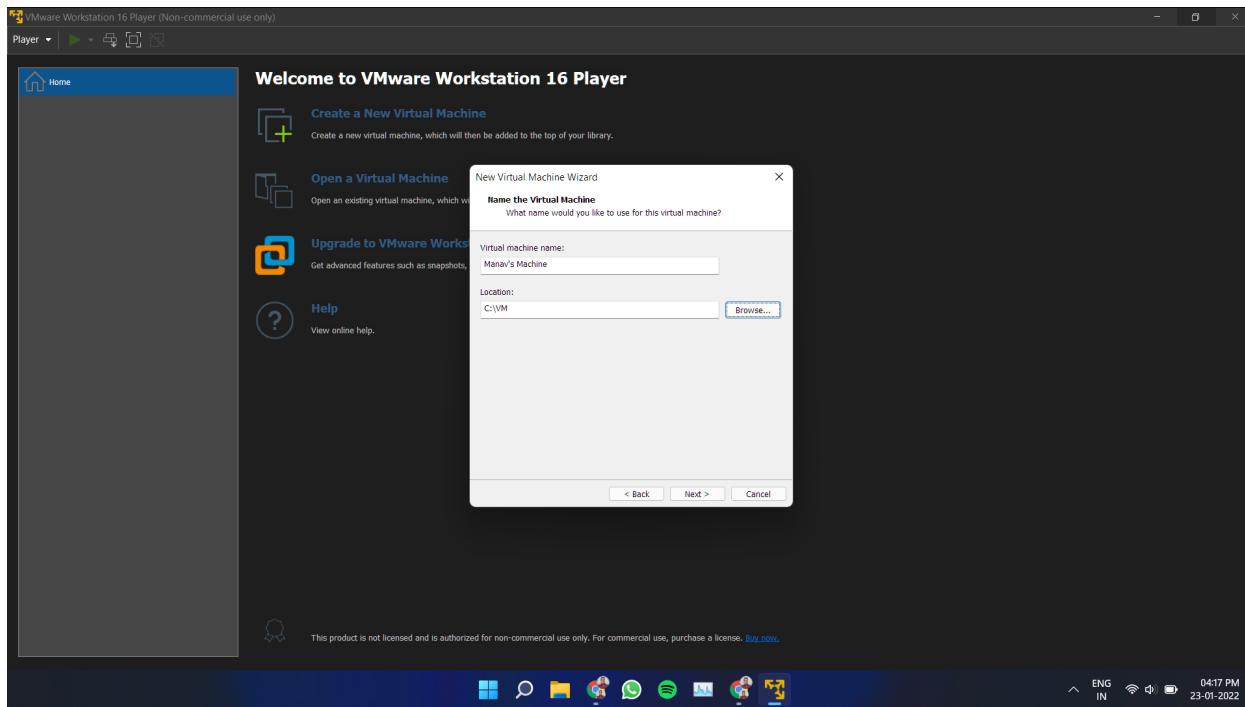
6. Now, select **I will install the operating system later** and click on **Next**.



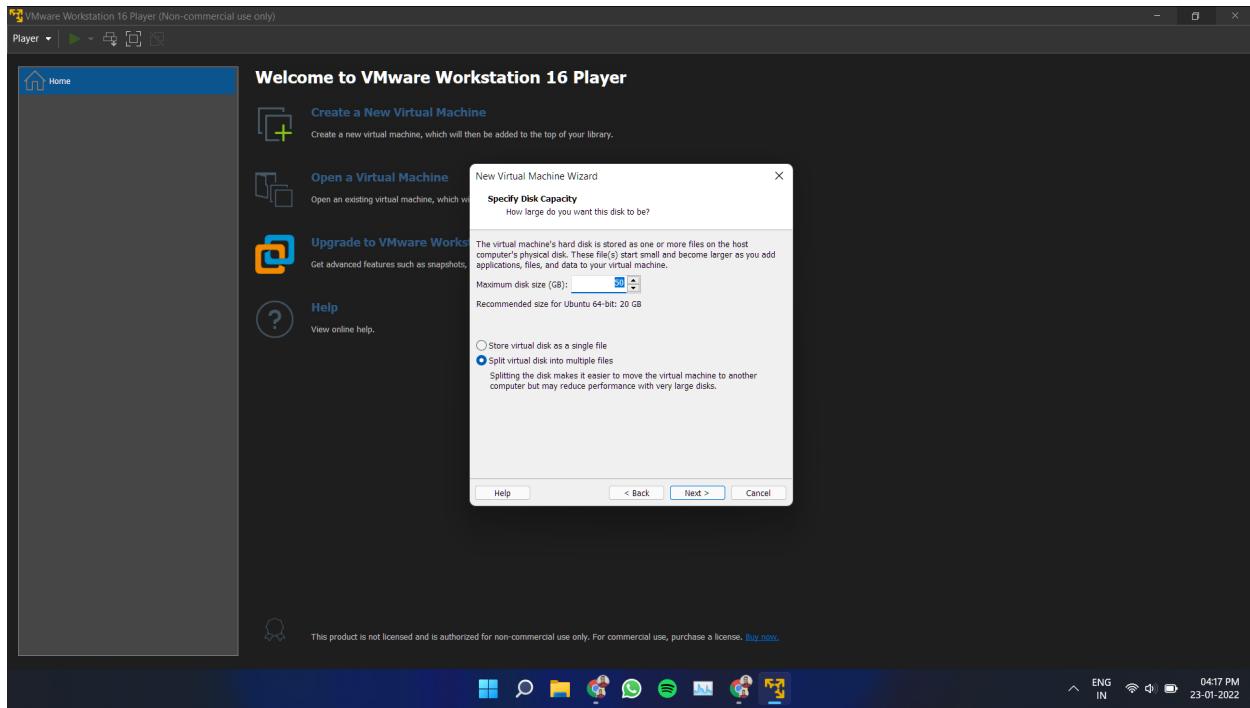
7. Now, you have to select the operating system that you will be installing on the virtual machine. Select Linux from the Guest operating system section and Ubuntu 64-bit from the Version section. Once you're done, click on Next.



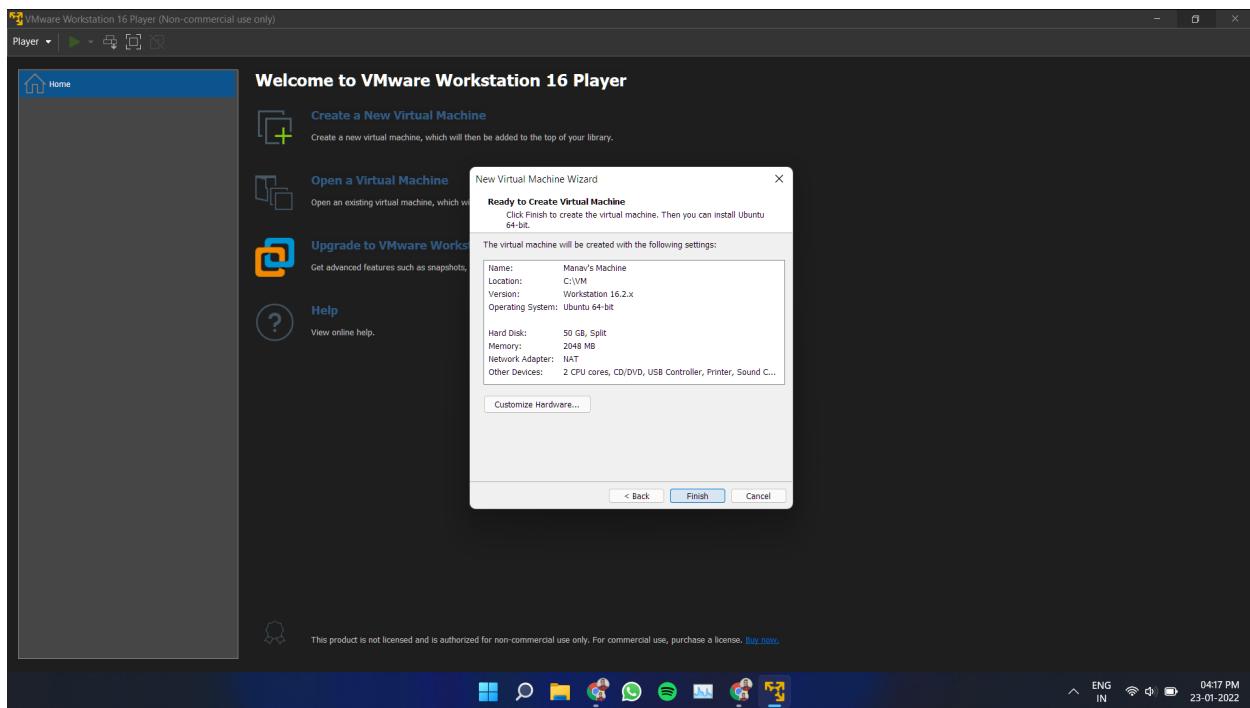
8. Now type the name of the virtual machine and location where you want to save it.



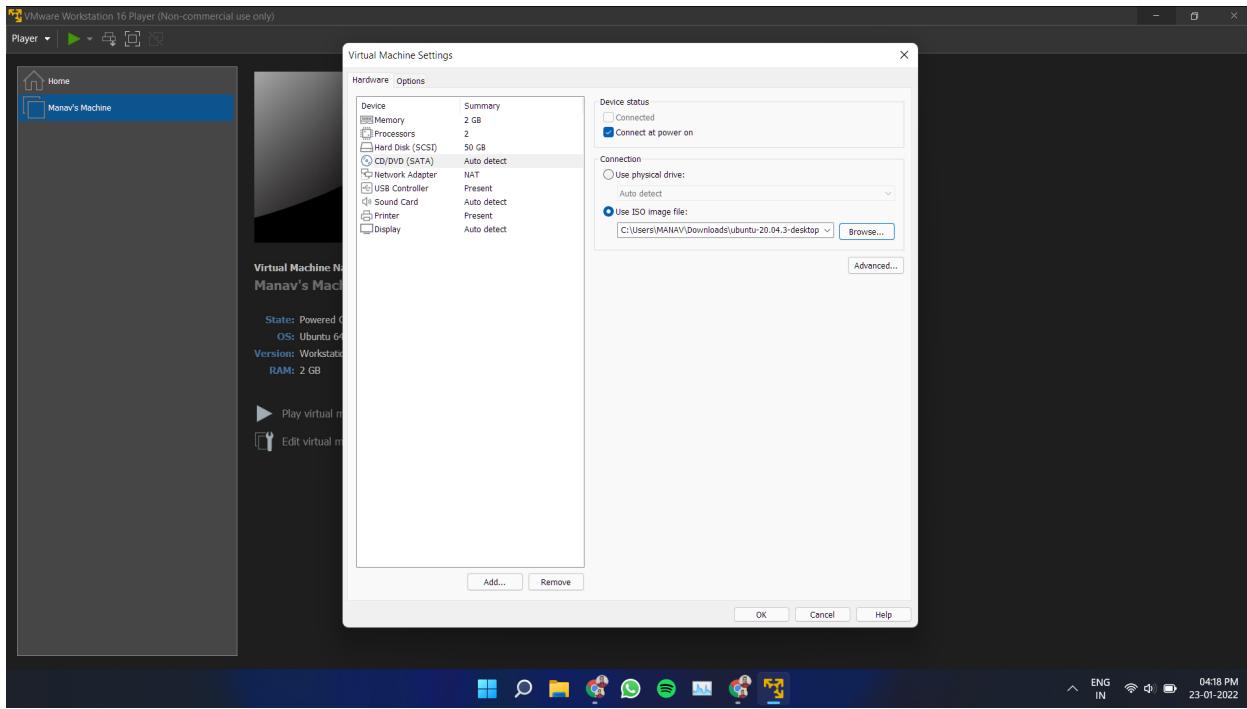
9. Type the size of the virtual hard disk in GB. I will give 50GB



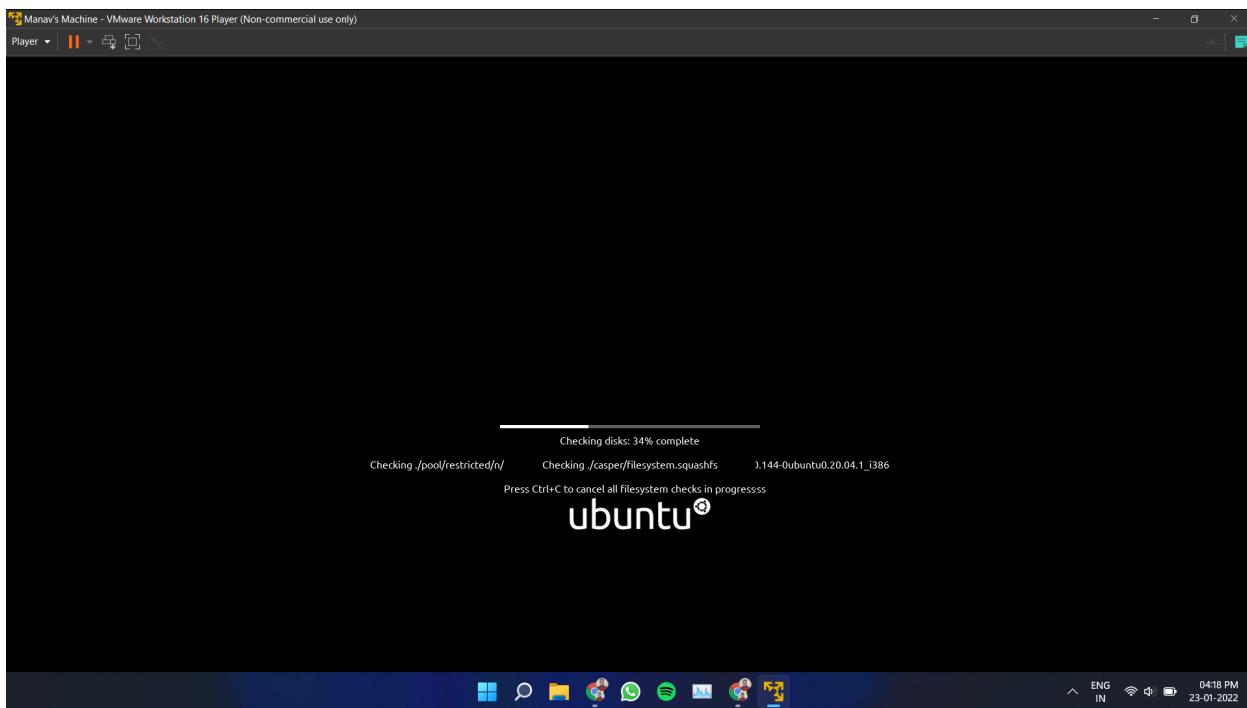
10. Now click on Finish.



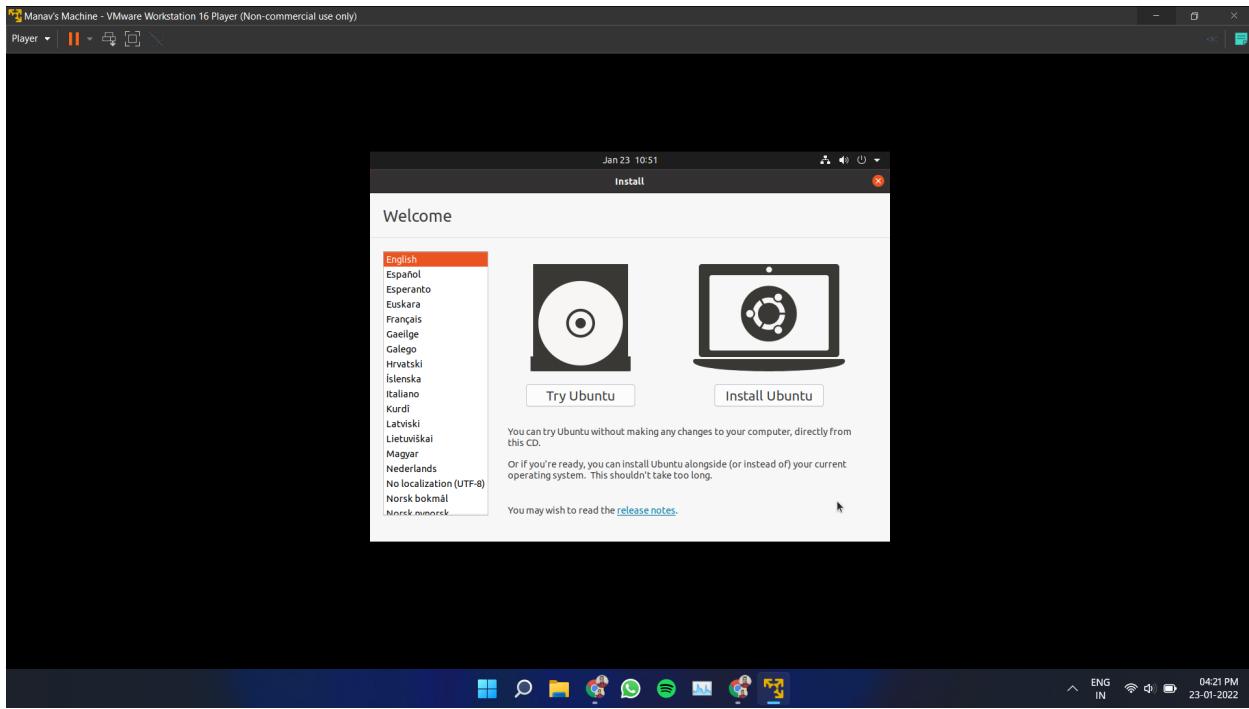
11. Go to settings of your virtual machine and click on CD/DVD tab and click ISO Image.



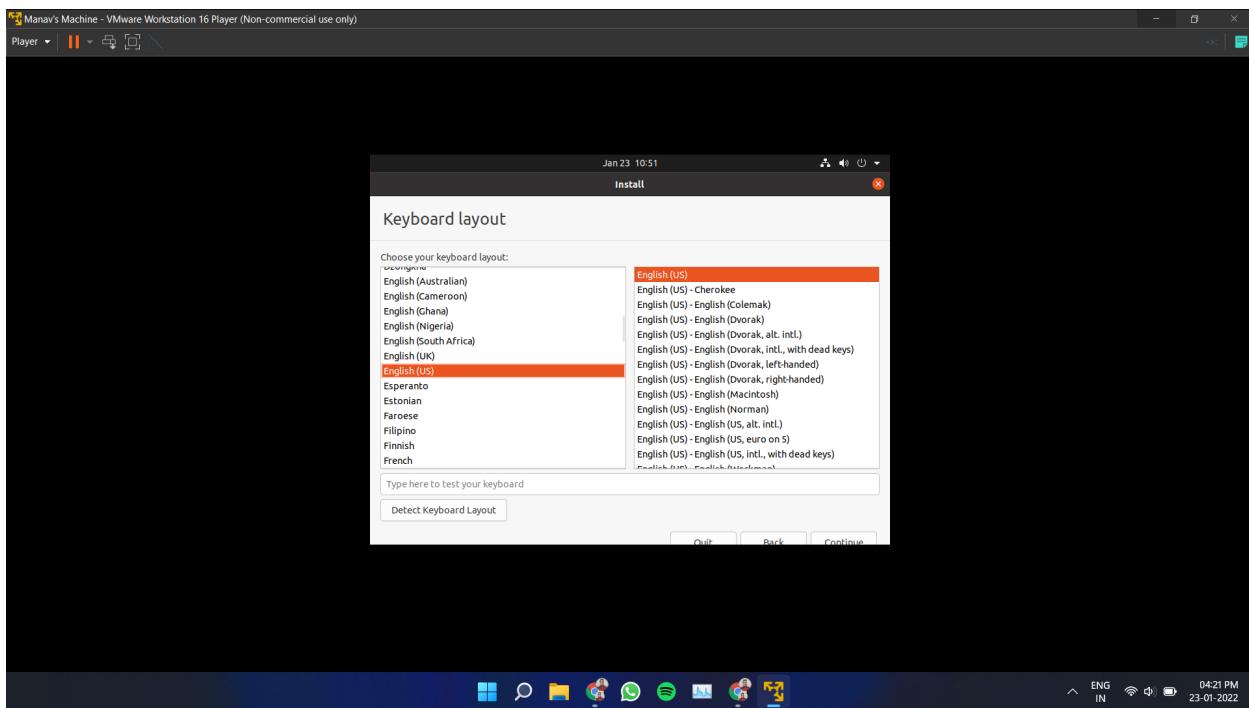
12. Now, Play your virtual machine.



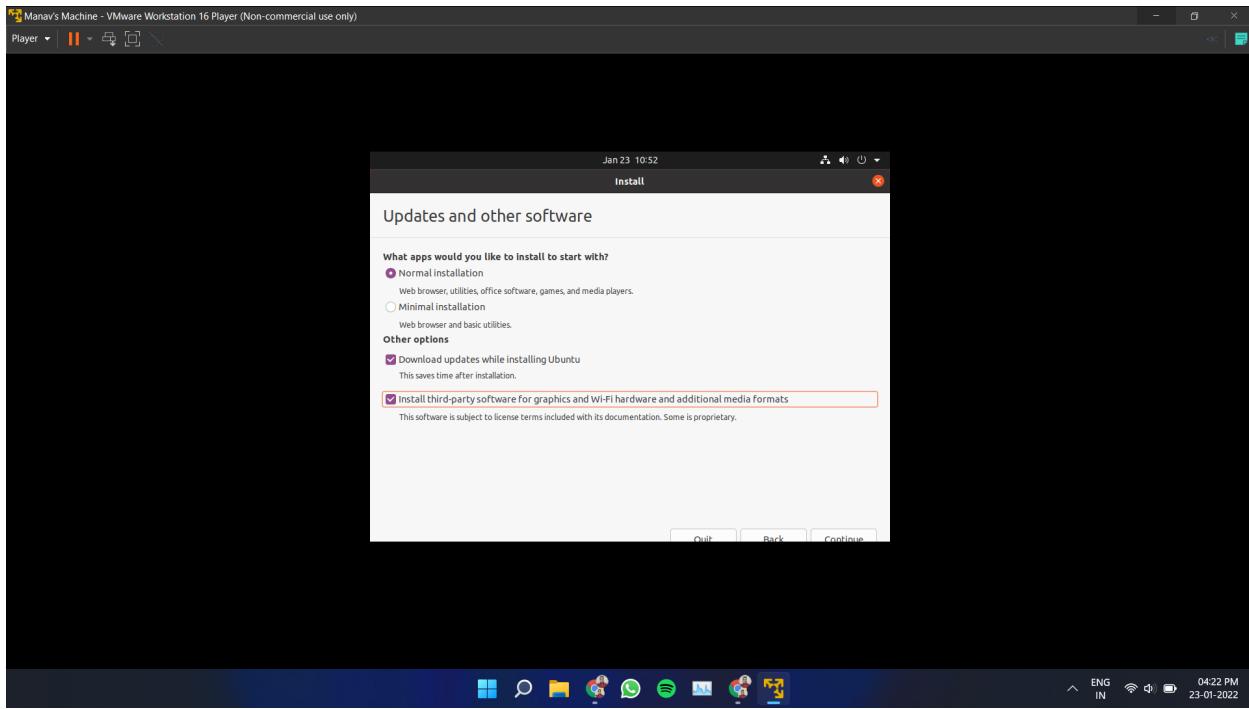
13. After the machine you will be able to see the Ubuntu installer and select **Install Ubuntu**.



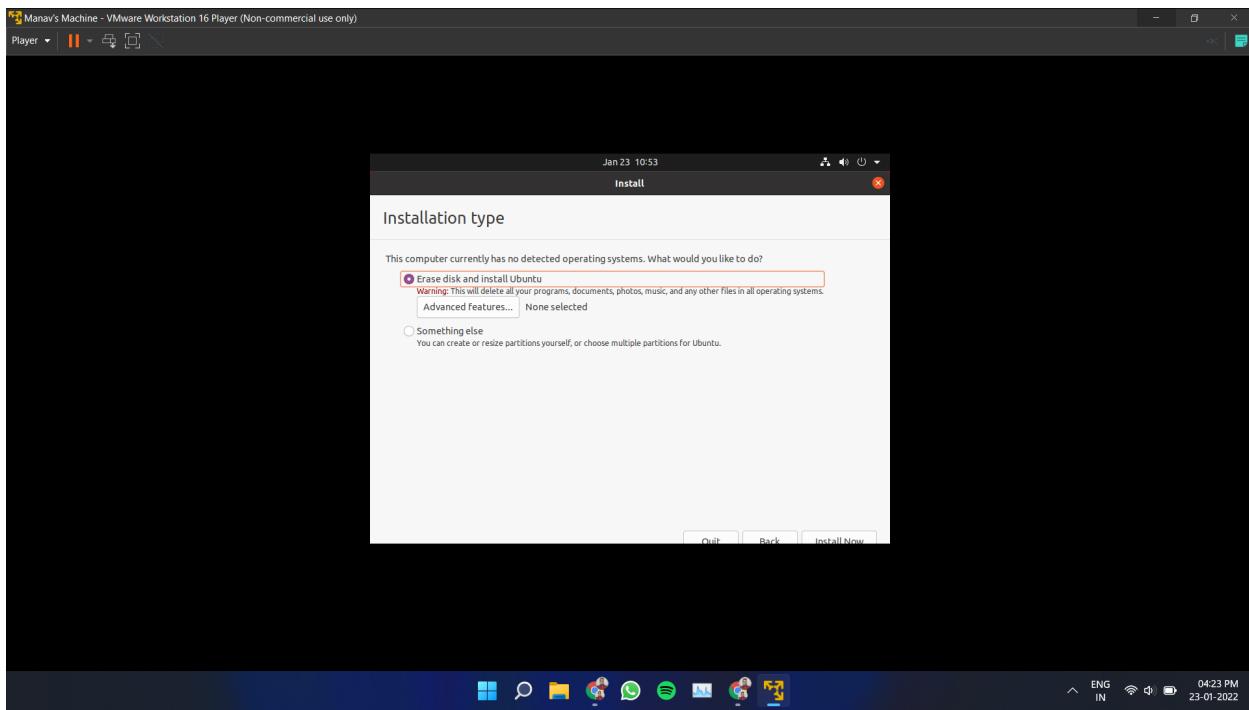
14. Select the keyboard layout and click **Continue**.



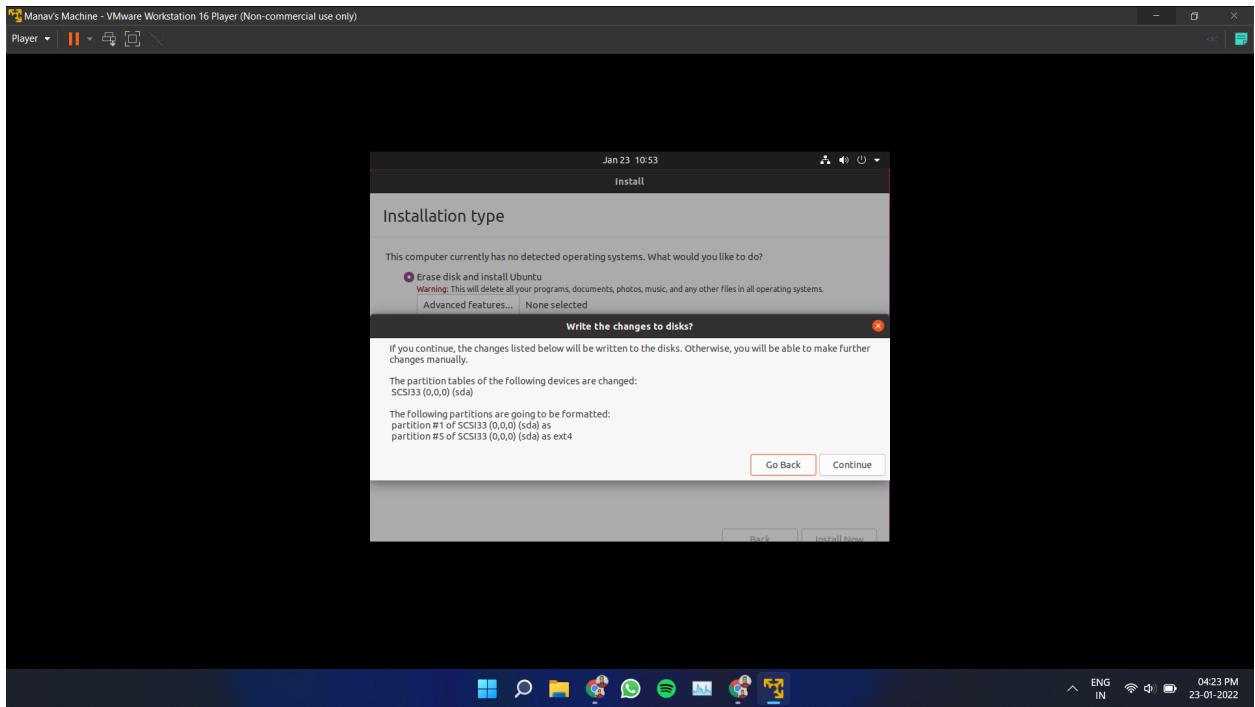
15. Select the checkboxes as per your system.



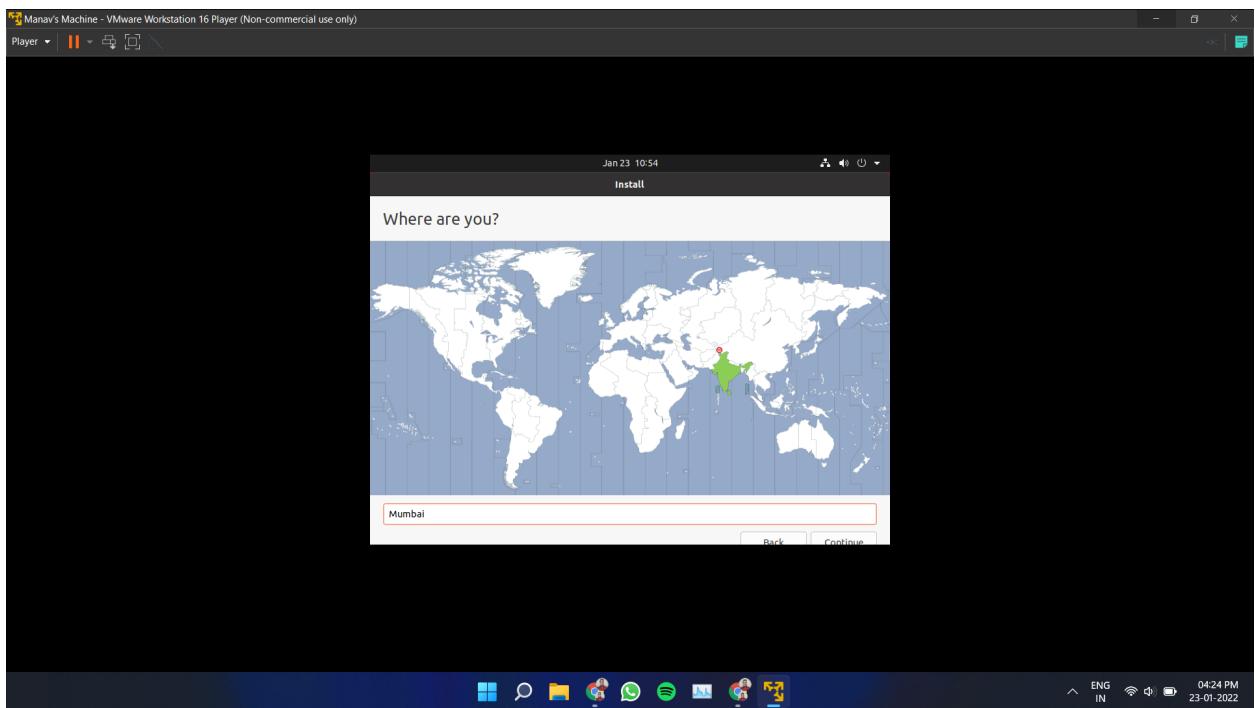
16. Select the first option to install the ubuntu , don't worry it won't uninstall the data of the host computer.



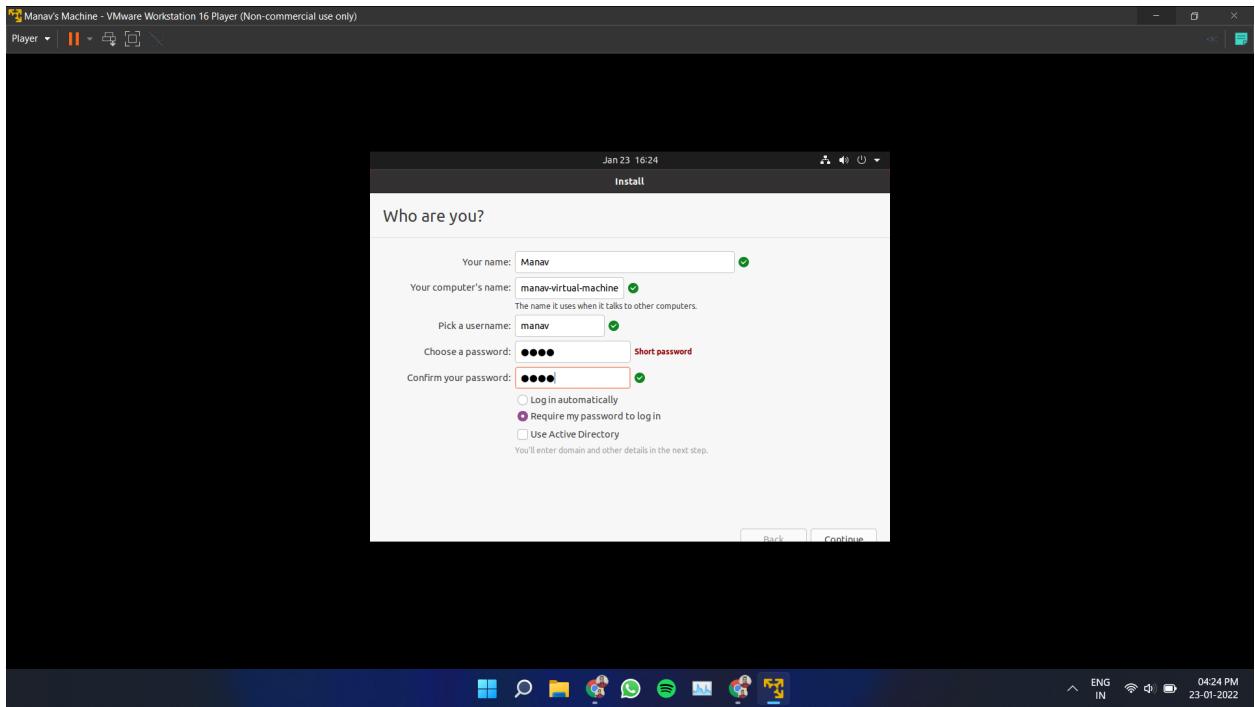
17. Just click **Continue**.



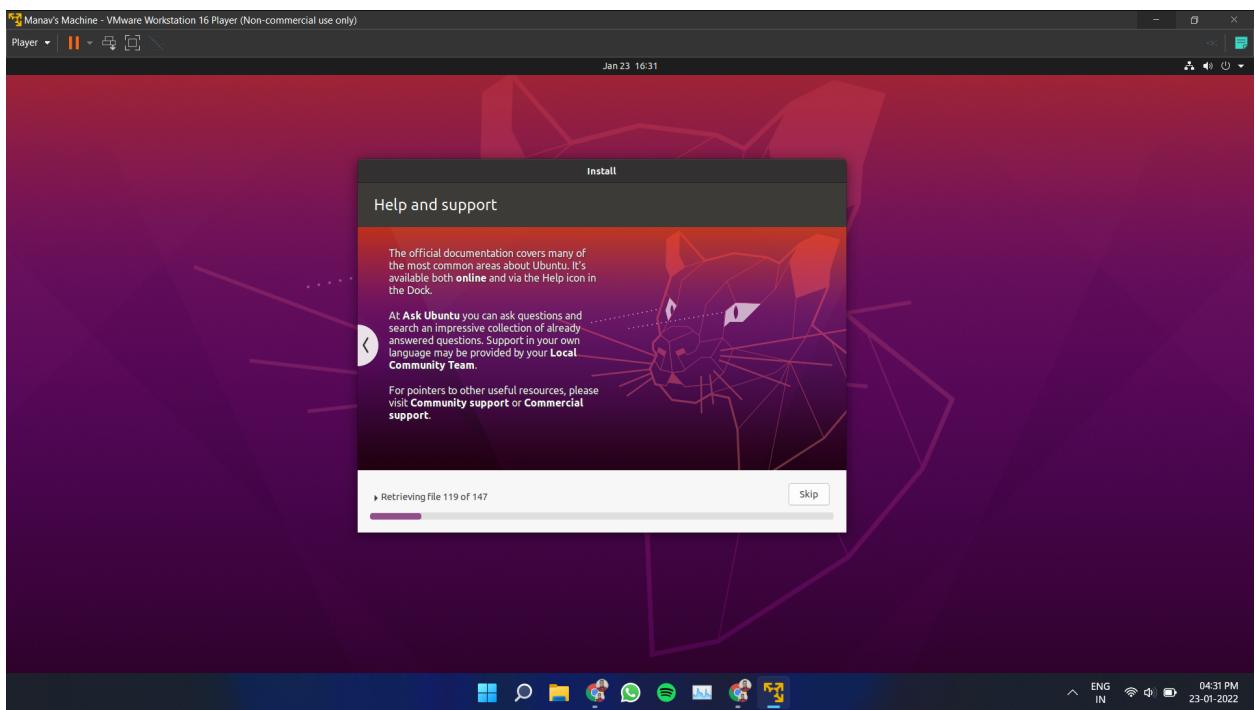
18. Select the region whichever you want , I have selected **Mumbai**.



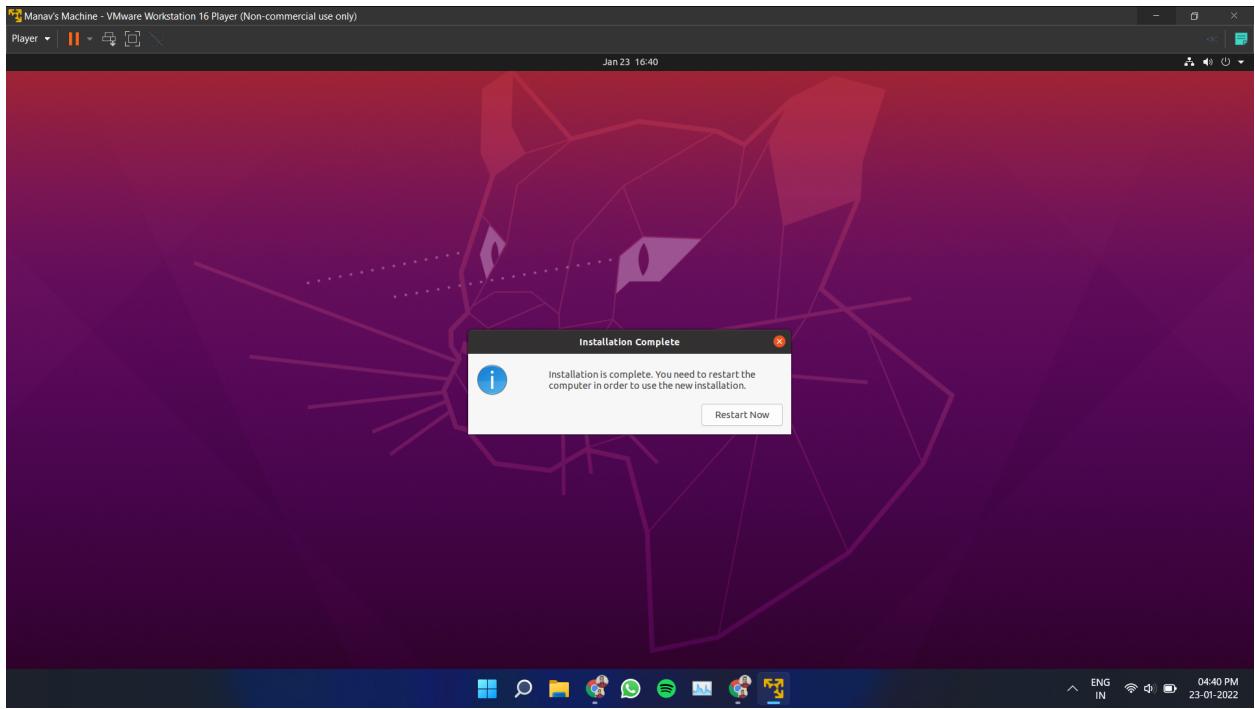
19. Type your login name and login password.



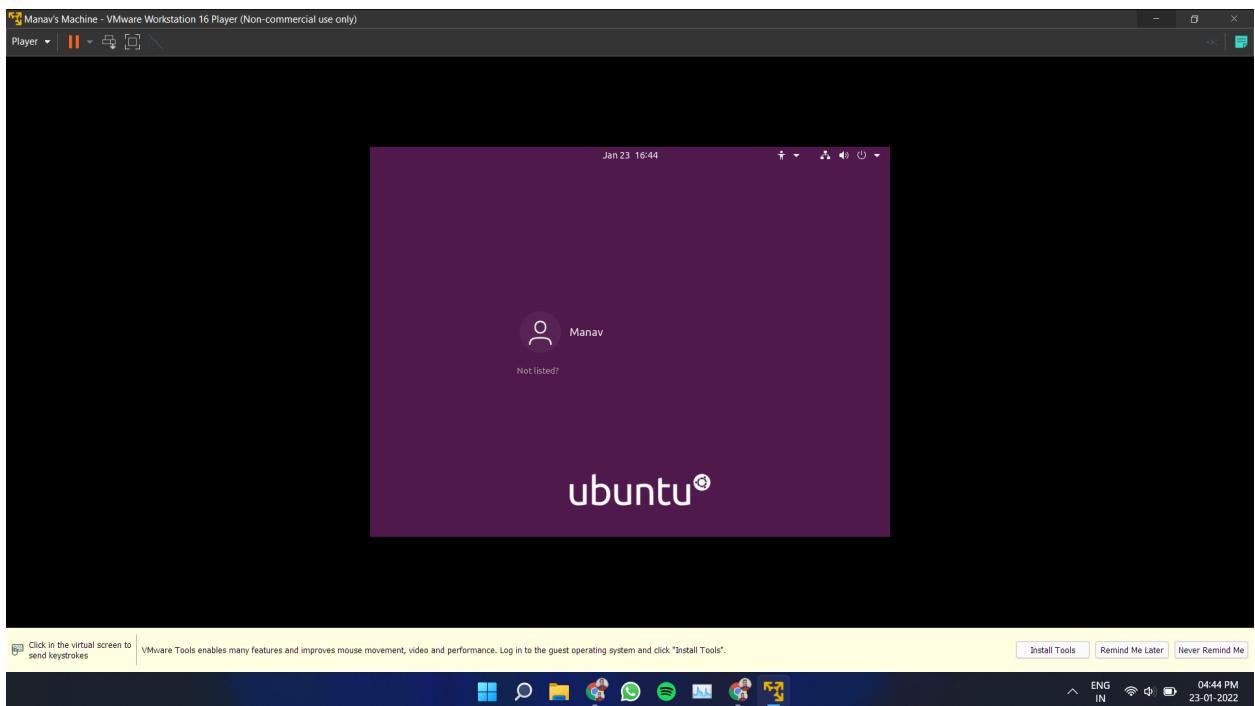
20. Now the files will be installed.



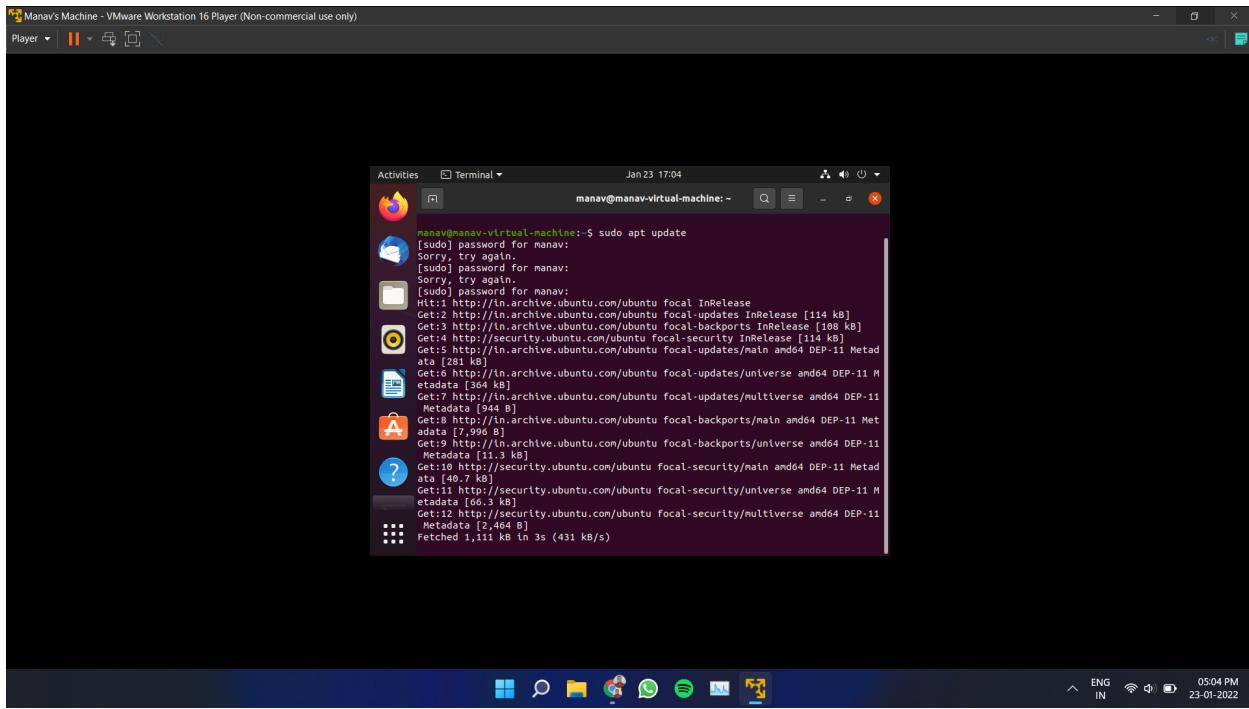
21. Restart your virtual machine.



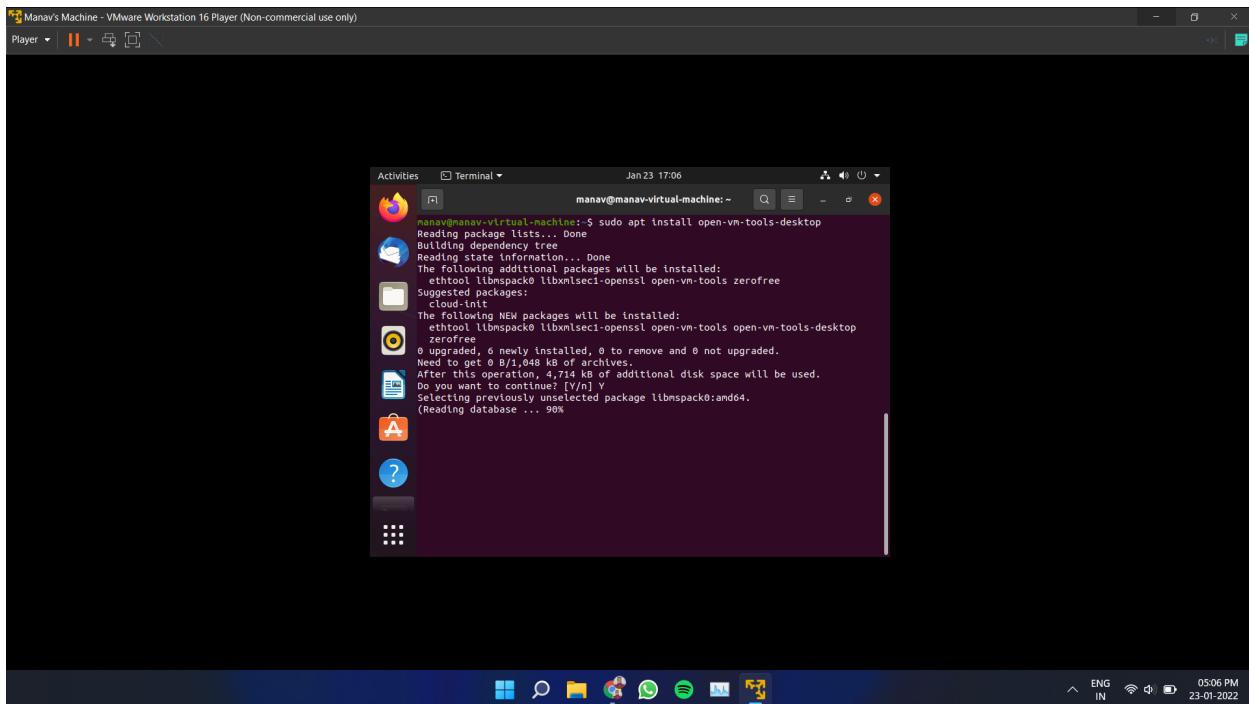
22. Now you will see the login screen.



23. Ubuntu should be installed on your virtual machine, now open terminal and install apt update.



24. Also , install open VM tools on your machine.



Now your virtual machine is ready to use with the UNIX operating system.

Conclusion: We have understood how to install an UNIX operating system.

