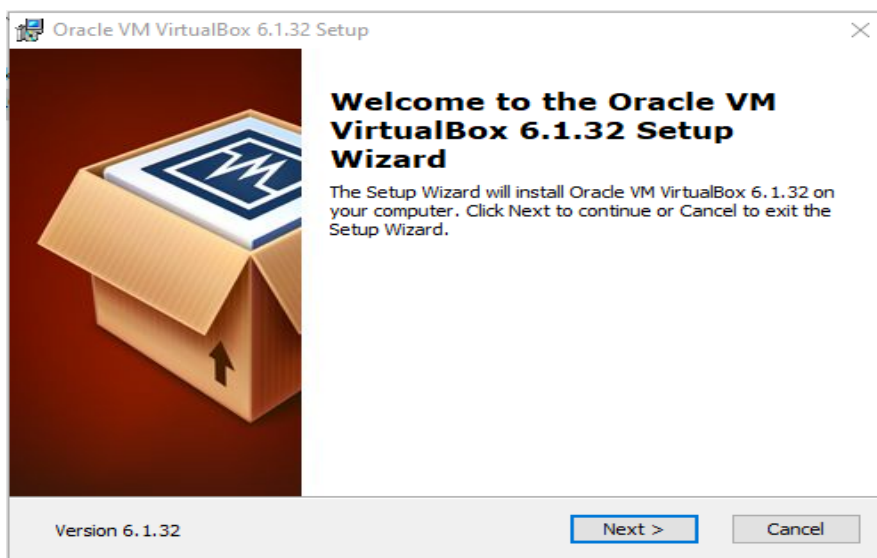
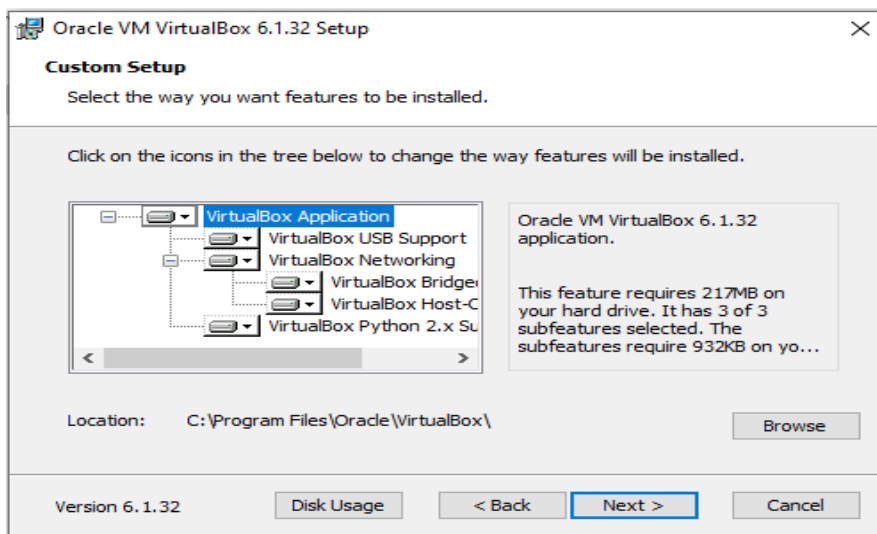
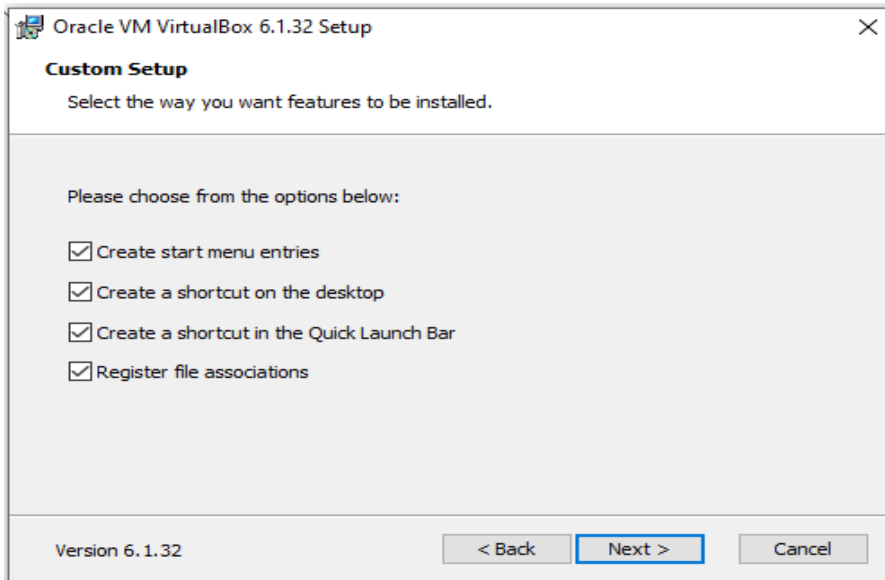


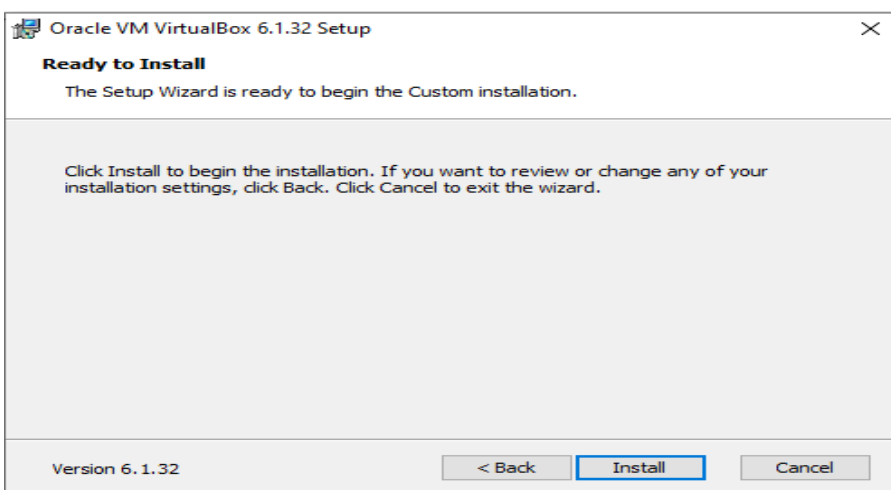
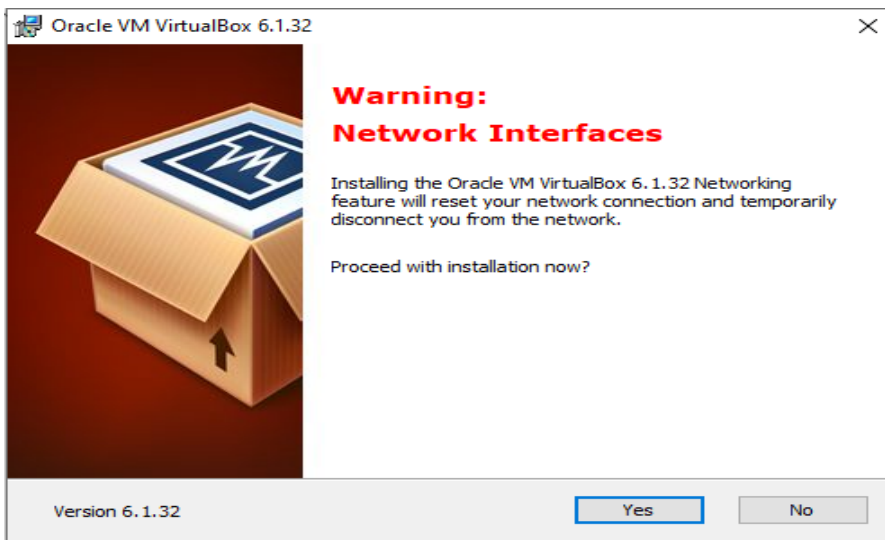
NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No.: 1****Aim**

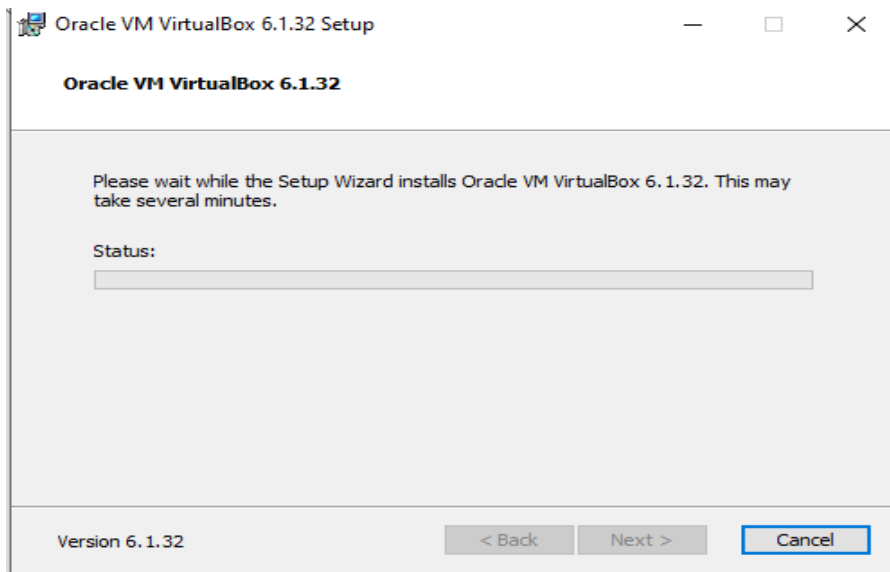
Install the latest version of Ubuntu on an Oracle VM VirtualBox.

Procedure**Step 1:** Installation of virtual box**Step 2:** Select the way to install your features

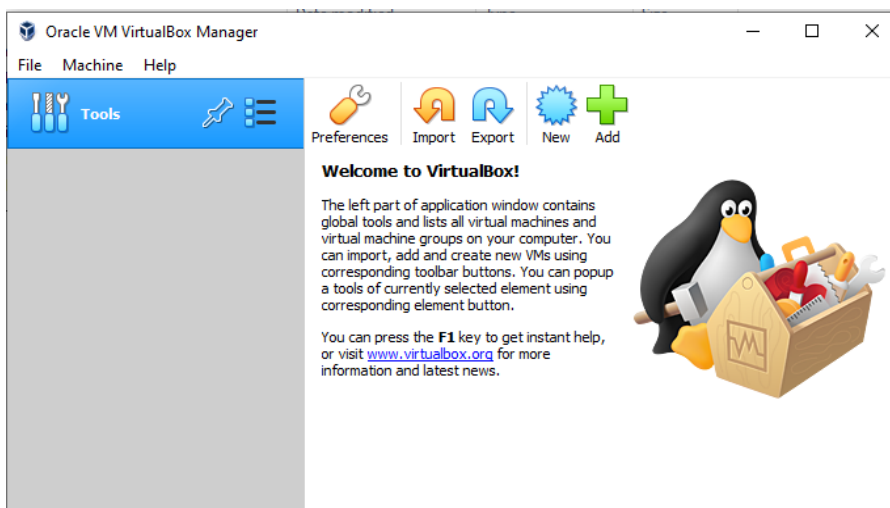


Step 3: Installation

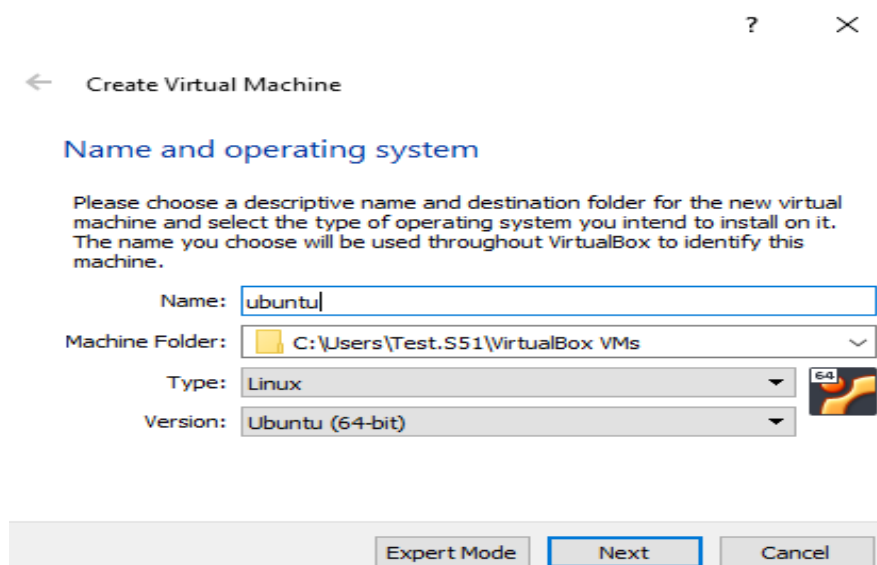




Step 4: Click New to add OS(Ubuntu) to VirtualBox

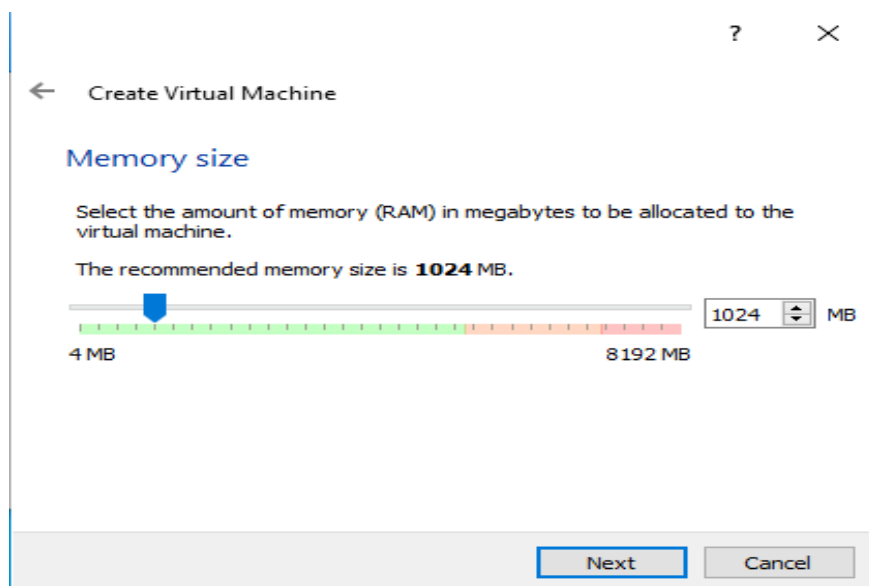


Step 5: Choose a descriptive name and destination folder for the new virtual machine and select the type of the operating system you want to install it



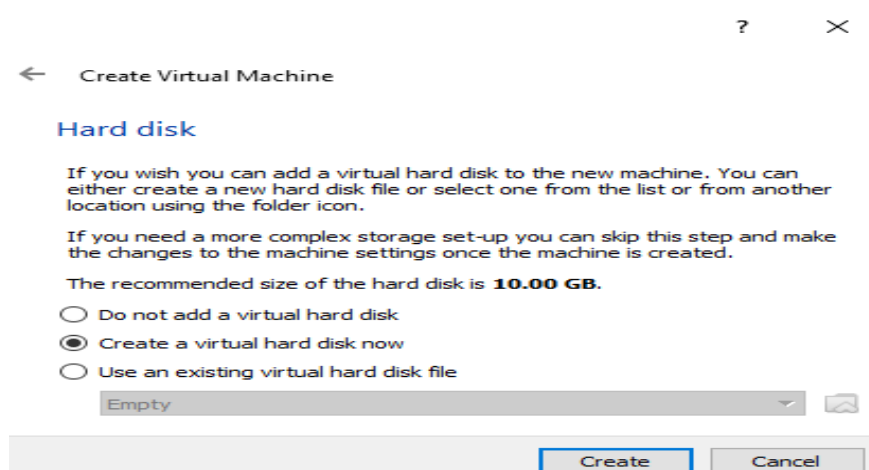
The screenshot shows the 'Create Virtual Machine' window with the title bar containing a question mark and a close button. The window has a back arrow and the text 'Create Virtual Machine'. The main heading is 'Name and operating system'. Below it, a paragraph reads: 'Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.' There are four input fields: 'Name:' with the text 'ubuntu', 'Machine Folder:' with a folder icon and the path 'C:\Users\Test.S51\VirtualBox VMs', 'Type:' with a dropdown menu showing 'Linux', and 'Version:' with a dropdown menu showing 'Ubuntu (64-bit)'. To the right of the 'Type' dropdown is a small icon of a 64-bit operating system. At the bottom, there are three buttons: 'Expert Mode', 'Next' (highlighted with a blue border), and 'Cancel'.

Step 6: Select the amount of memory to be allocated in the virtual machine

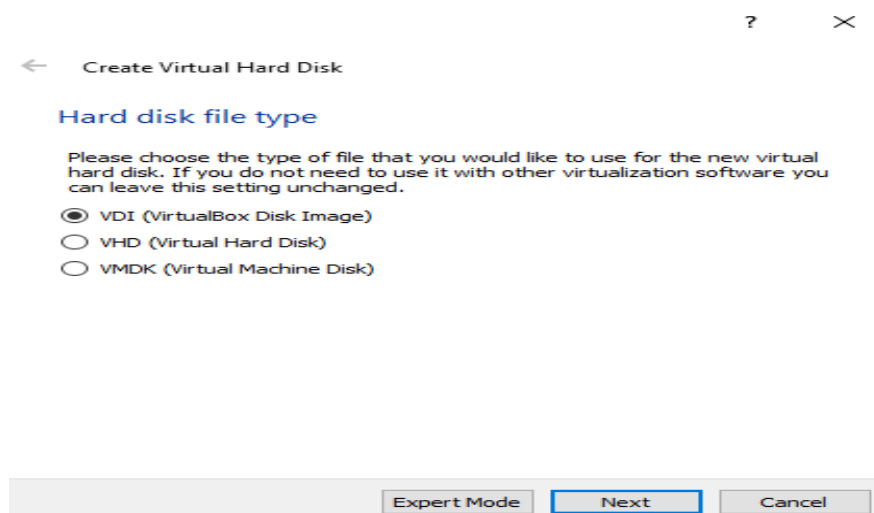
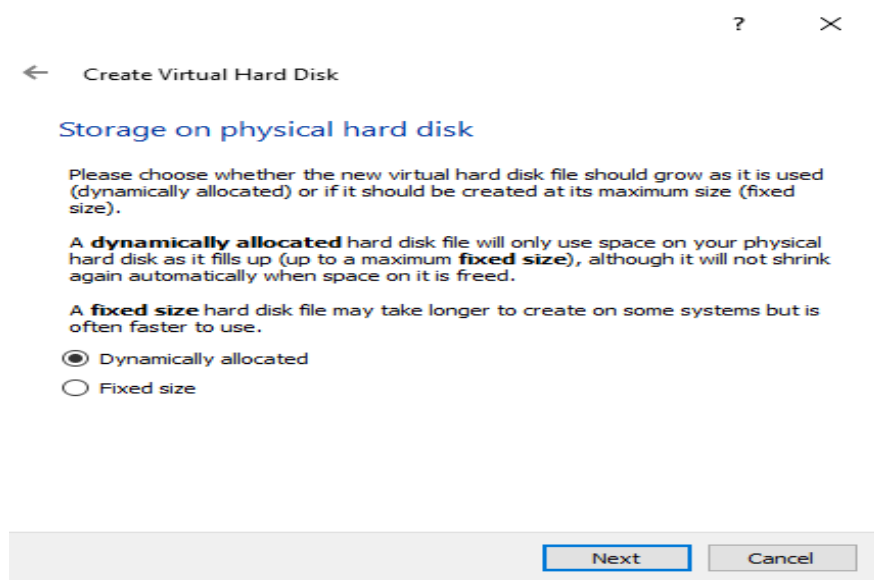
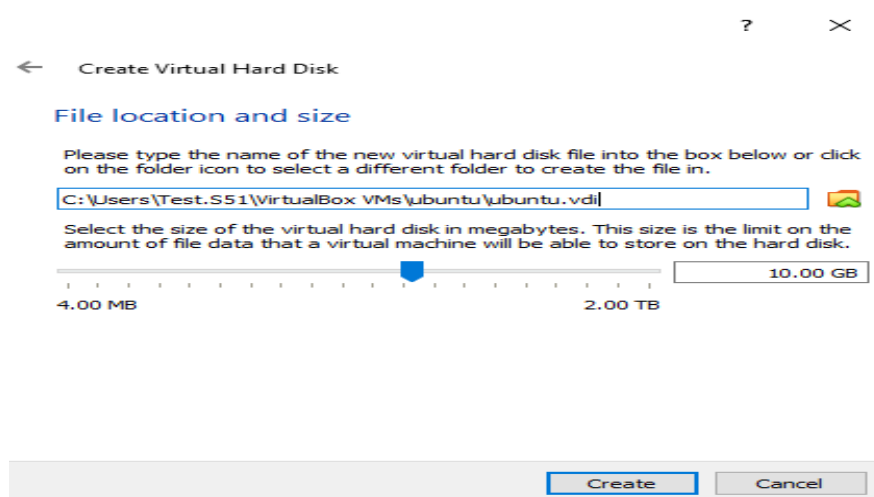


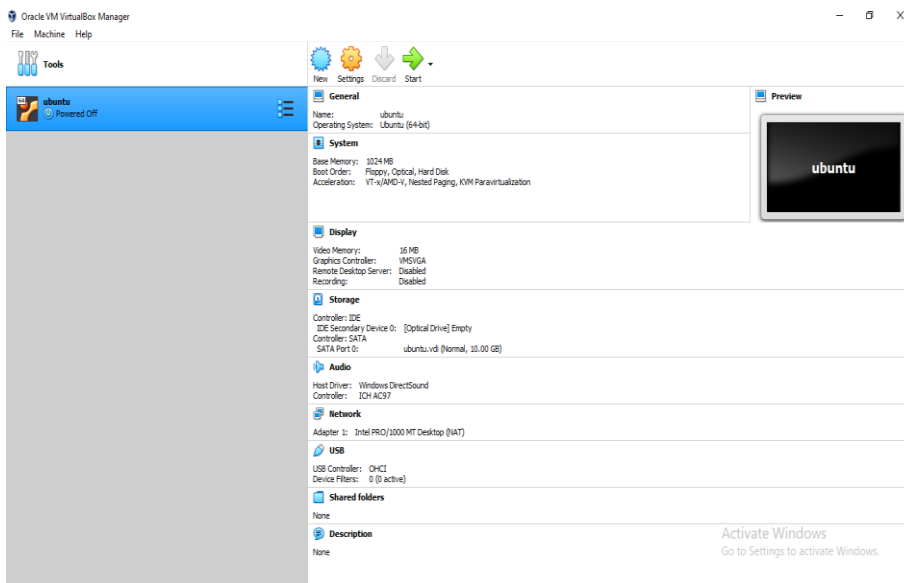
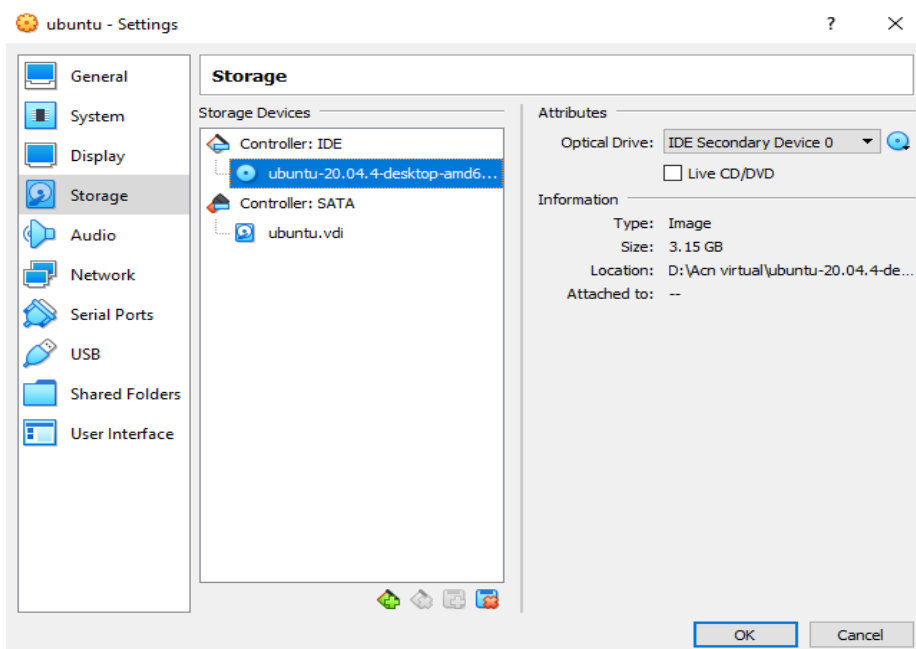
The screenshot shows the 'Create Virtual Machine' window with the title bar containing a question mark and a close button. The window has a back arrow and the text 'Create Virtual Machine'. The main heading is 'Memory size'. Below it, a paragraph reads: 'Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.' Another paragraph states: 'The recommended memory size is 1024 MB.' There is a horizontal slider bar with a blue handle. The slider has a green section on the left and a red section on the right. The left end is labeled '4 MB' and the right end is labeled '8192 MB'. To the right of the slider is a text box containing '1024' and a unit 'MB'. At the bottom, there are two buttons: 'Next' (highlighted with a blue border) and 'Cancel'.

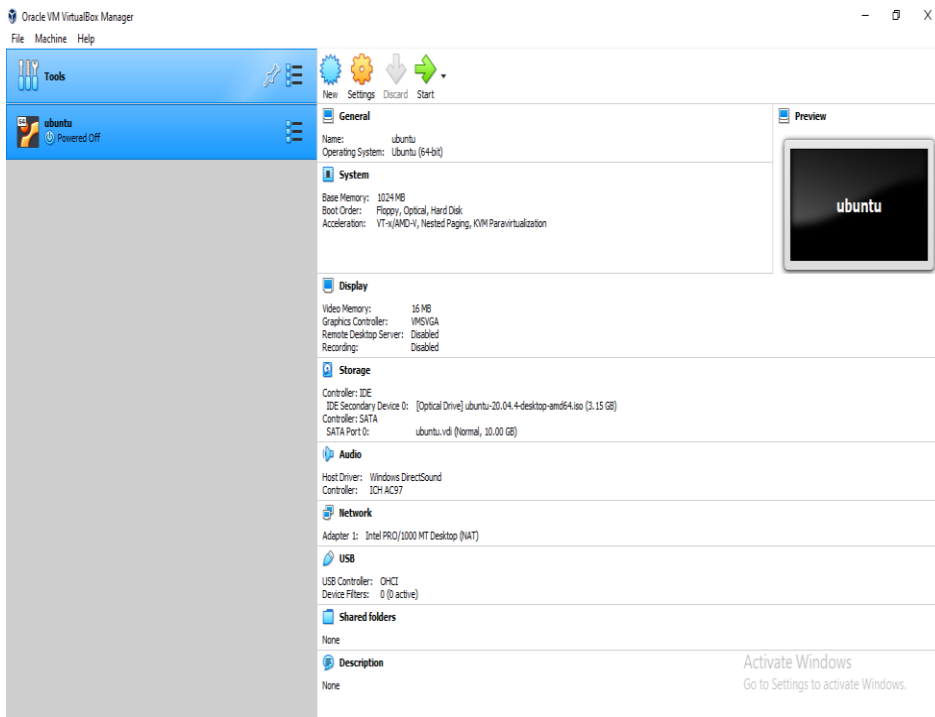
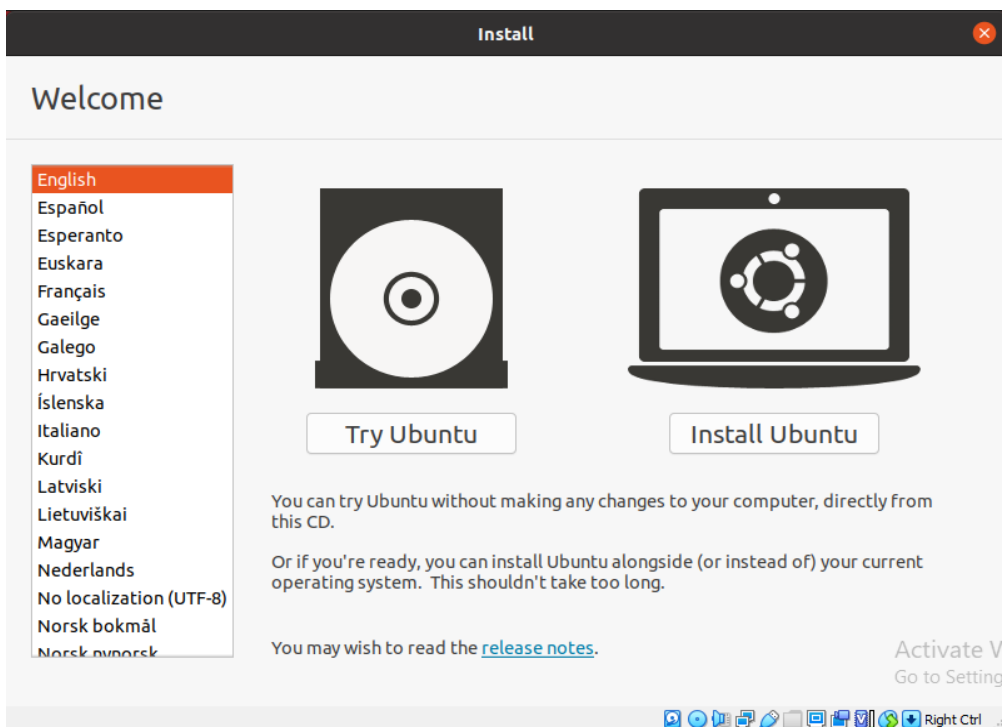
Step 7: To add a virtual hard disk to the new machine

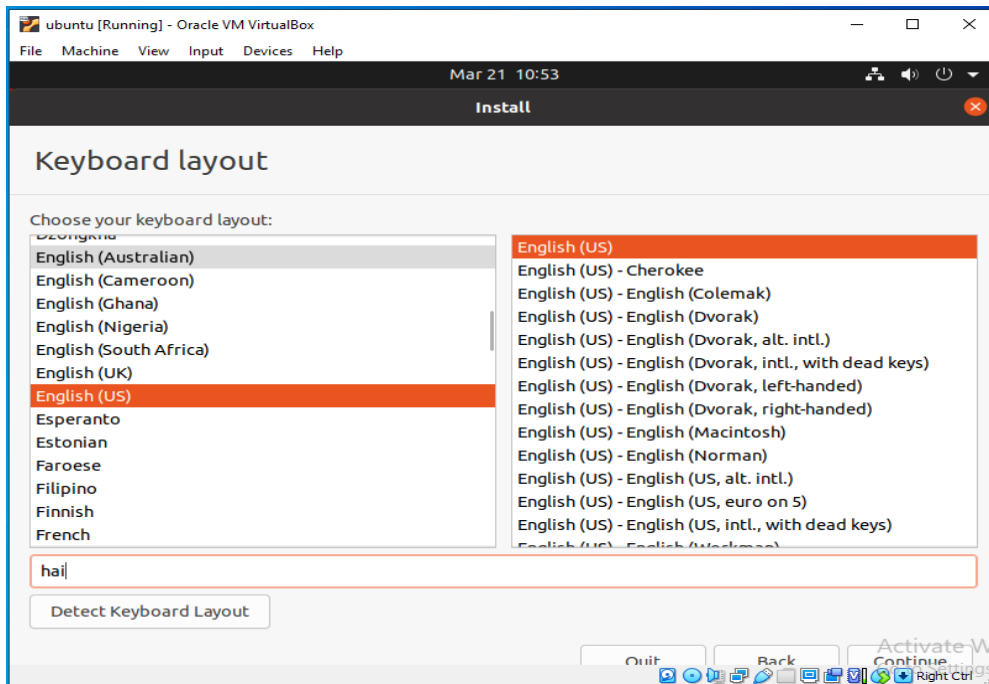
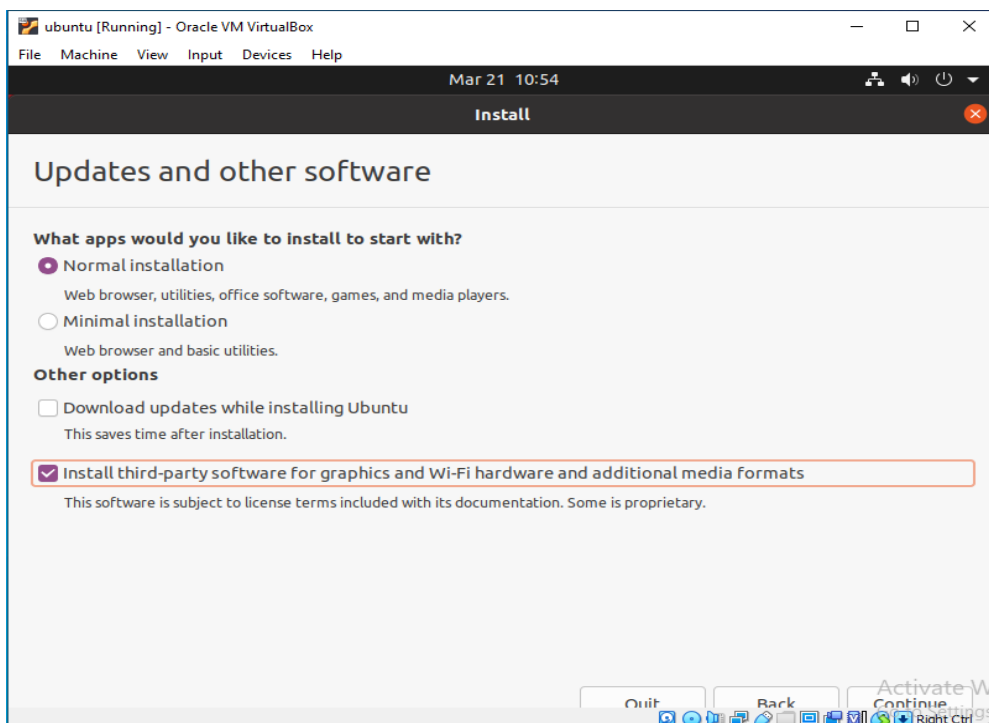


The screenshot shows the 'Create Virtual Machine' window with the title bar containing a question mark and a close button. The window has a back arrow and the text 'Create Virtual Machine'. The main heading is 'Hard disk'. Below it, a paragraph reads: 'If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.' Another paragraph states: 'If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.' A third paragraph states: 'The recommended size of the hard disk is 10.00 GB.' There are three radio buttons: 'Do not add a virtual hard disk', 'Create a virtual hard disk now' (which is selected), and 'Use an existing virtual hard disk file'. Below the radio buttons is a dropdown menu with the text 'Empty' and a folder icon. At the bottom, there are two buttons: 'Create' (highlighted with a blue border) and 'Cancel'.

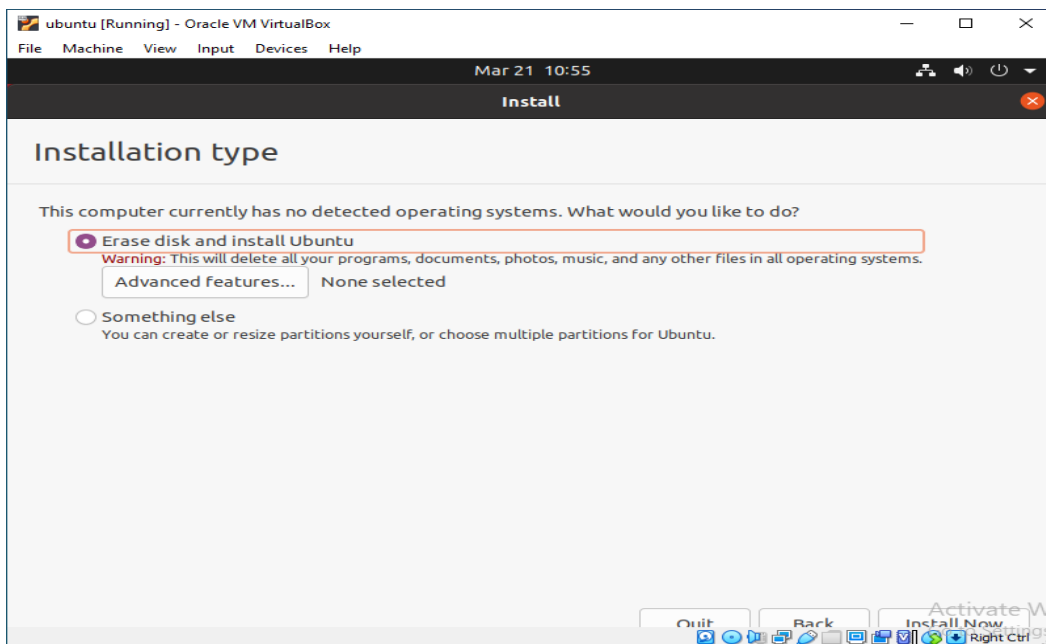
Step 8: Choose the type of the file you want to use for the new virtual hard disk**Step 9:** Choose the storage on physical hard disk (dynamically allocated)**Step 10:** Type the name of the new virtual hard disk file

Step 11: Click on the storage**Step 12: Click on Empty disk under Controller. Choose choose iso image file of Ubuntu then Disk image on right side(Optical drive option)**

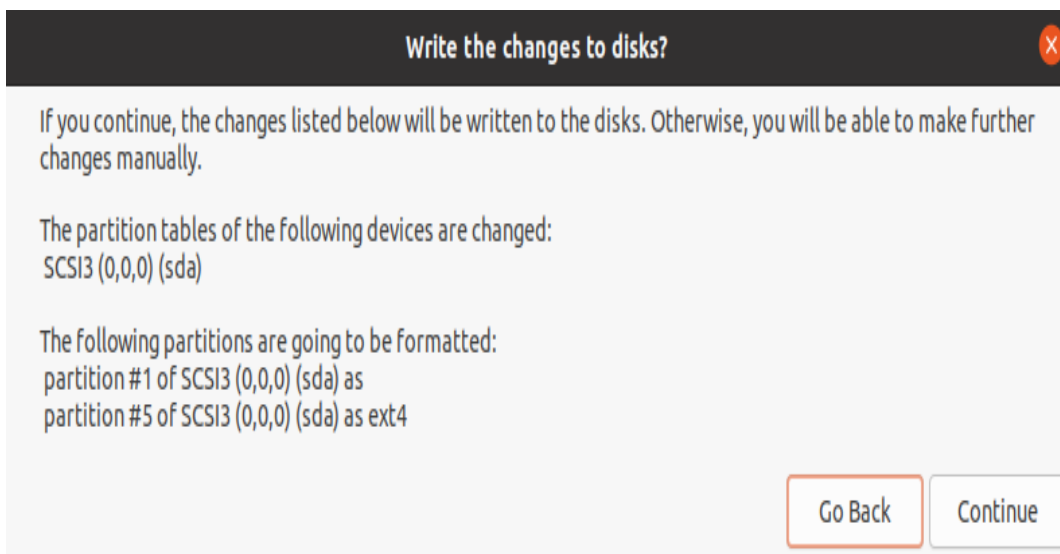
Step 13: Click on start**Step 14:** Installation of the Ubuntu OS within the newly created instance.

Step 15: Select the language for install ubuntu operating system**Step 16:** Selection of other installation within the installation of ubuntu

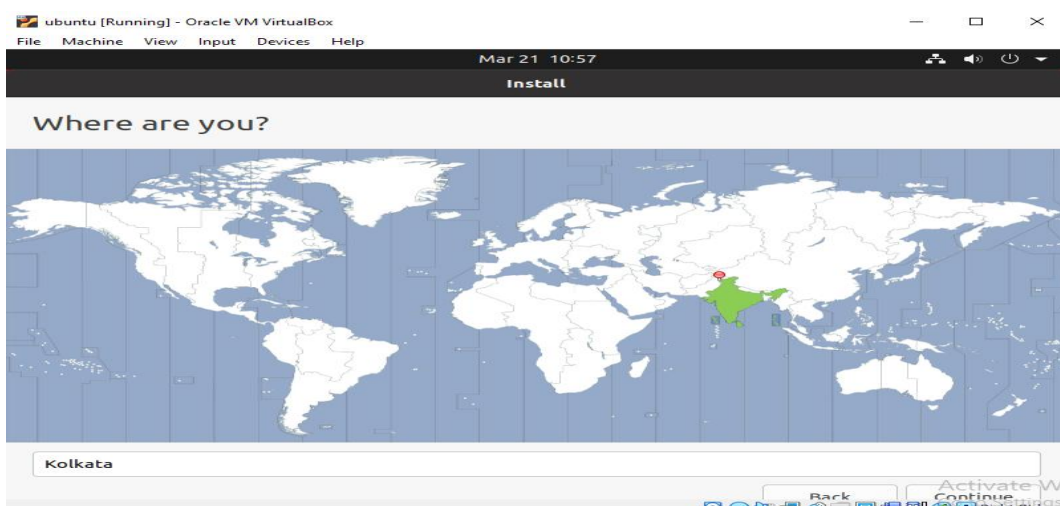
Step 17: Selecting the disk and create or resize partitions ourself,warning box is about formatting and partitioning of the allotted hard disk.



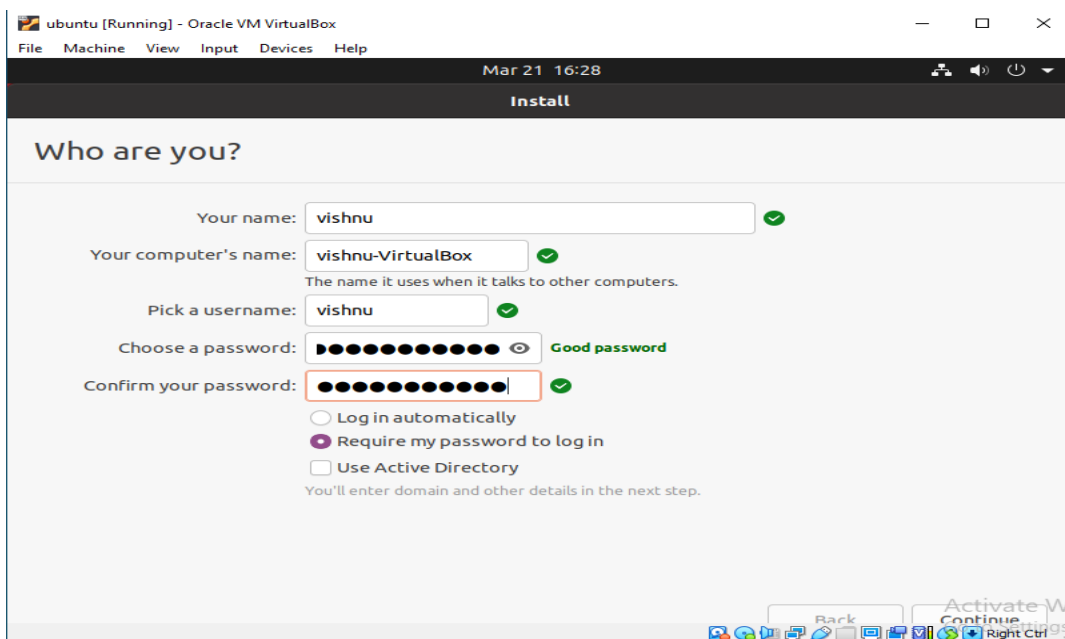
Step 18: To continue the changes listed will be written to the disk



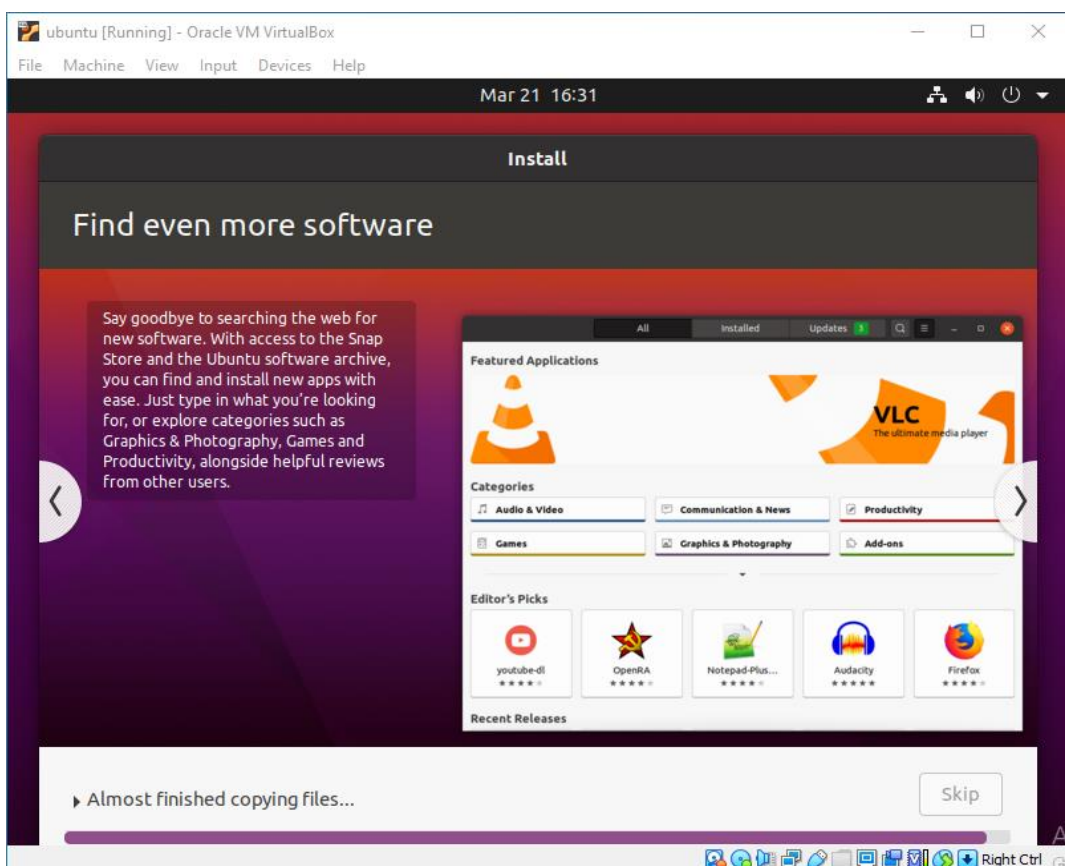
Step 19: Select the geographical location

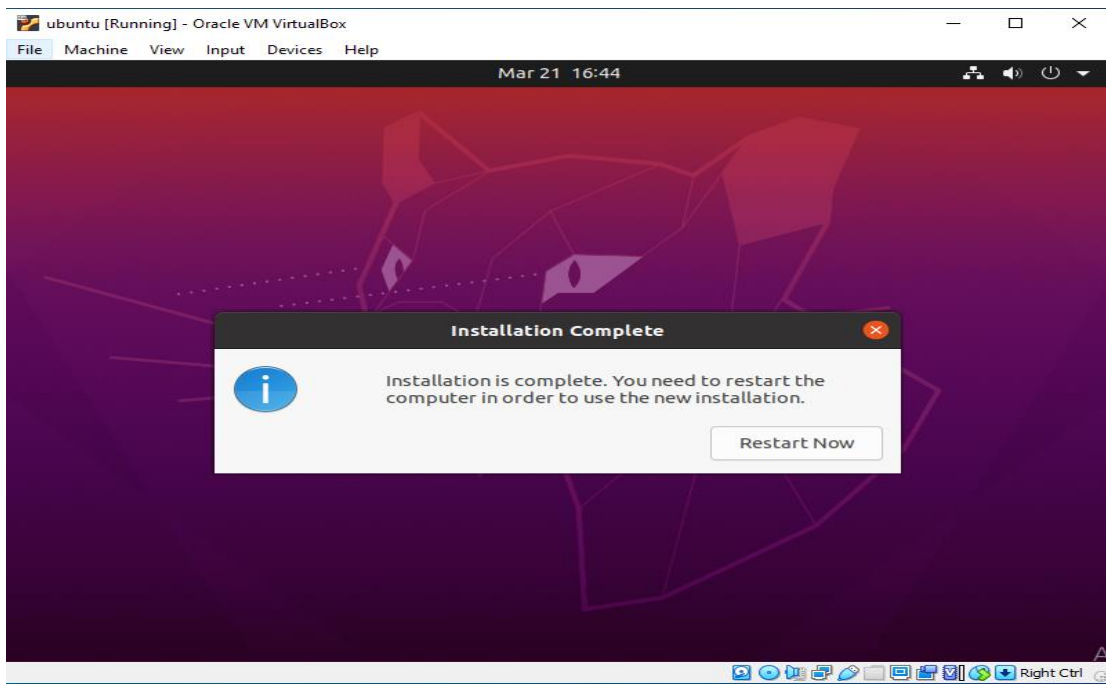


Step 20: Enter the name, username and password for the account to sign in to the ubuntu OS after installation.

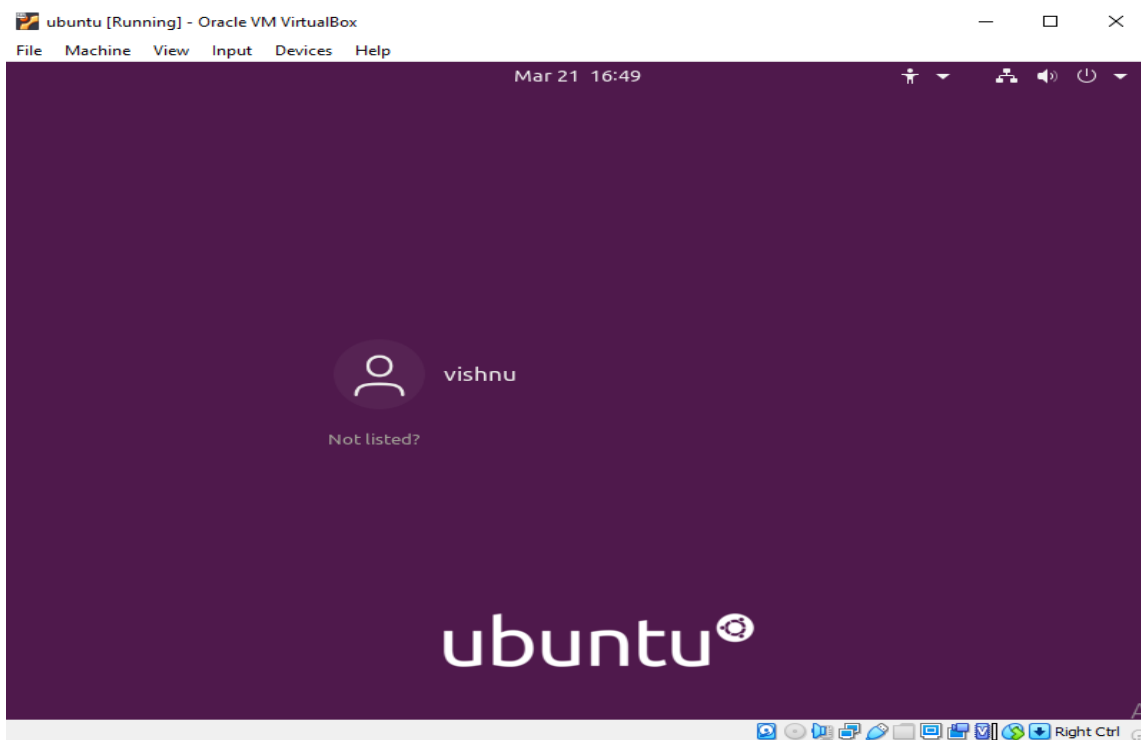


Step 21: Installing the ubuntu OS



Step 22: Restart the OS to finalize the installation

Step 22: Sign in and visit the home screen of ubuntu operating system using the registered username and password.



Output Screenshot

