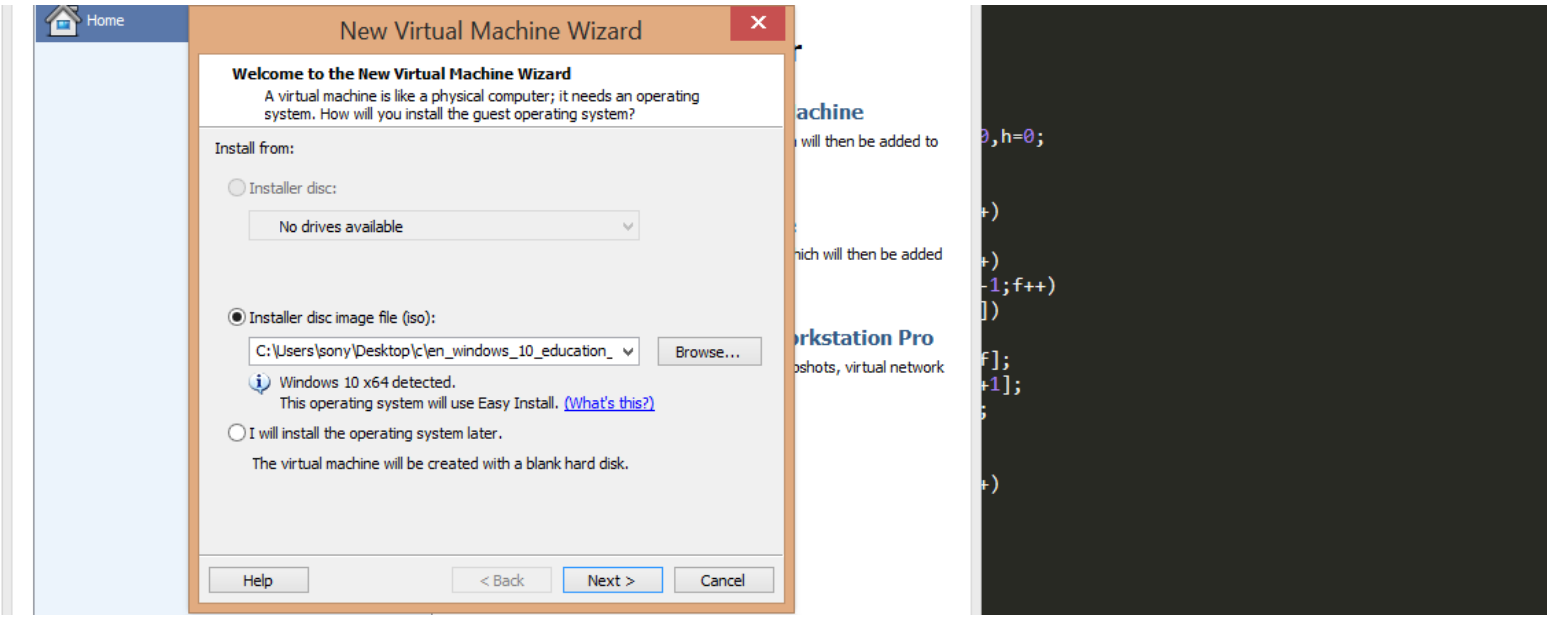
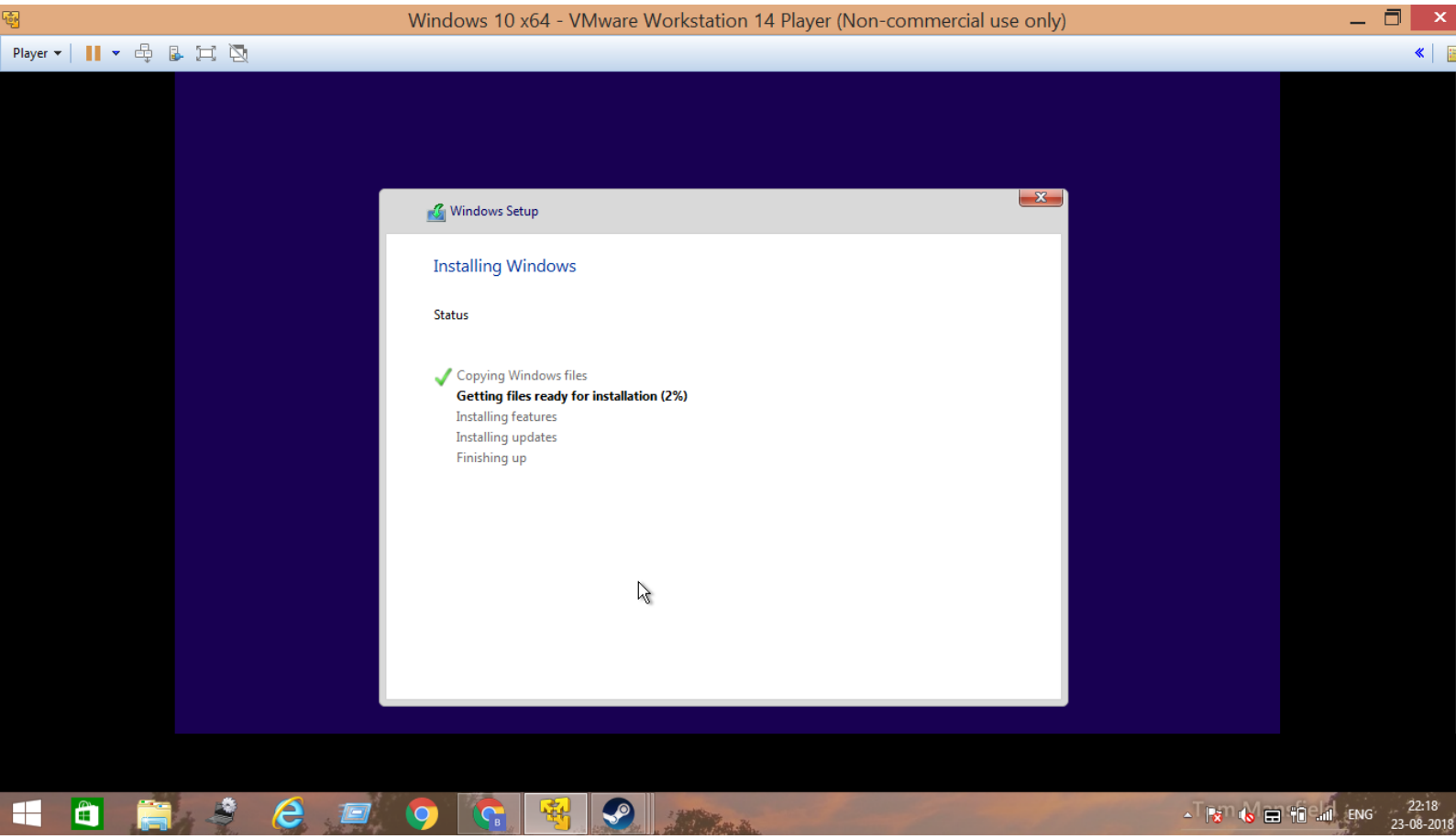
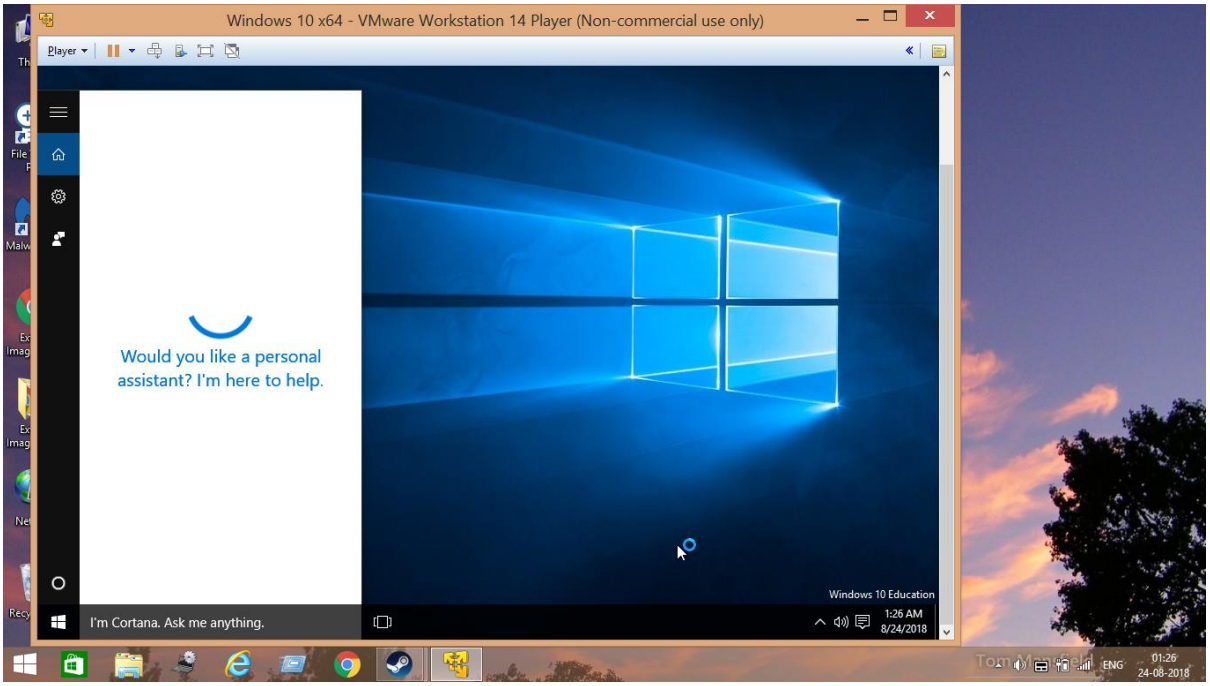
LAB 2

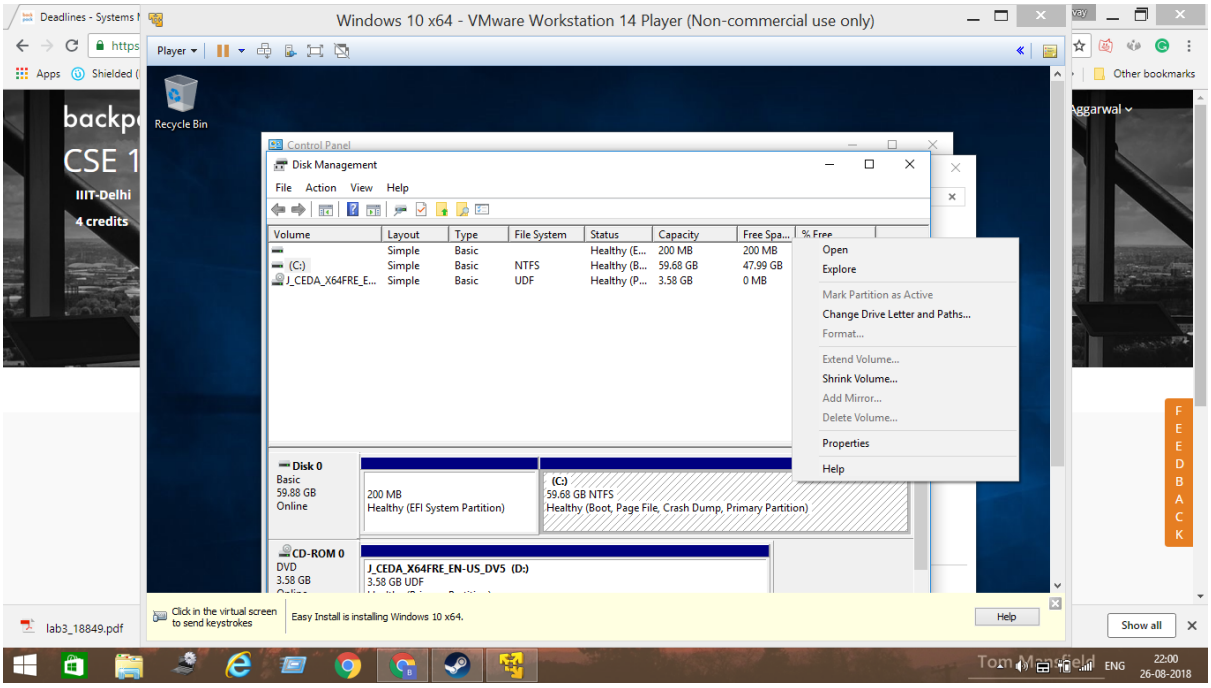
1. Install VMware on the laptop.
2. Download ISO files of Windows 10 and Ubuntu 16.
3. Using VMWare, we create a virtual machine and install windows on to it by allocating some meory from the hard drive to it(60GB).

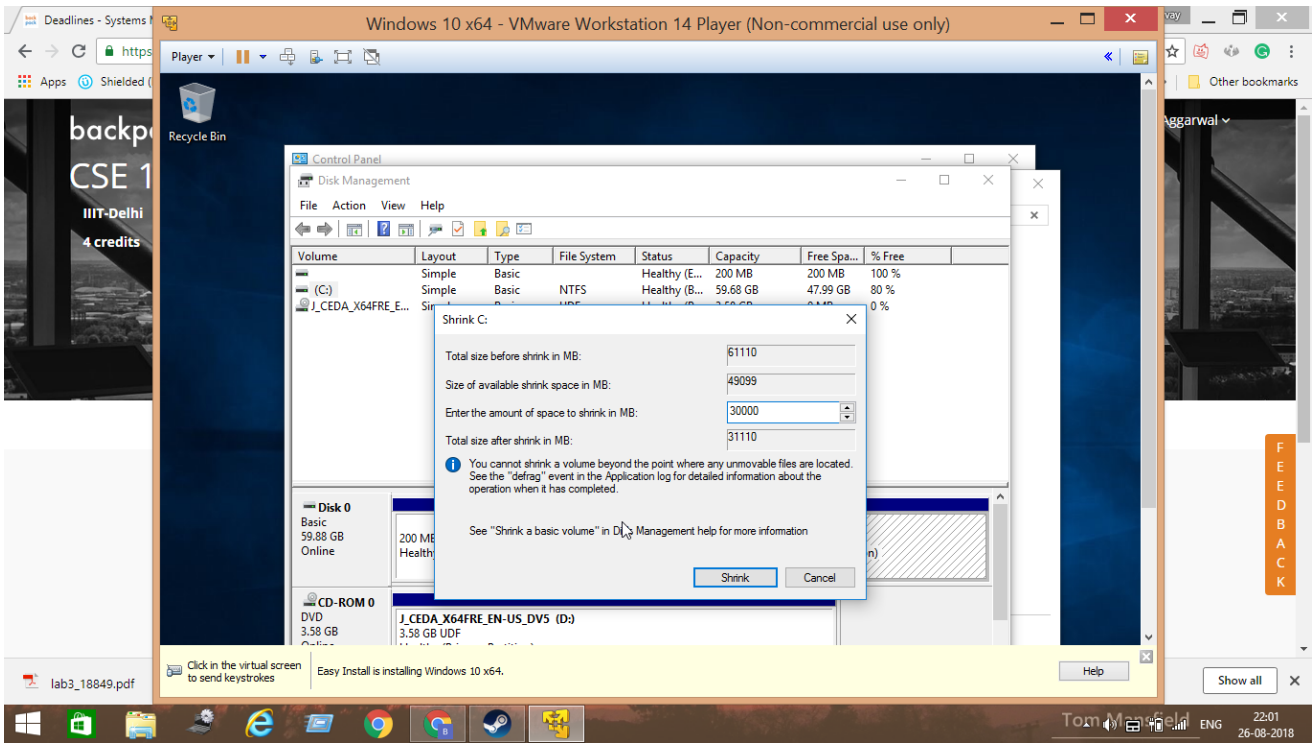


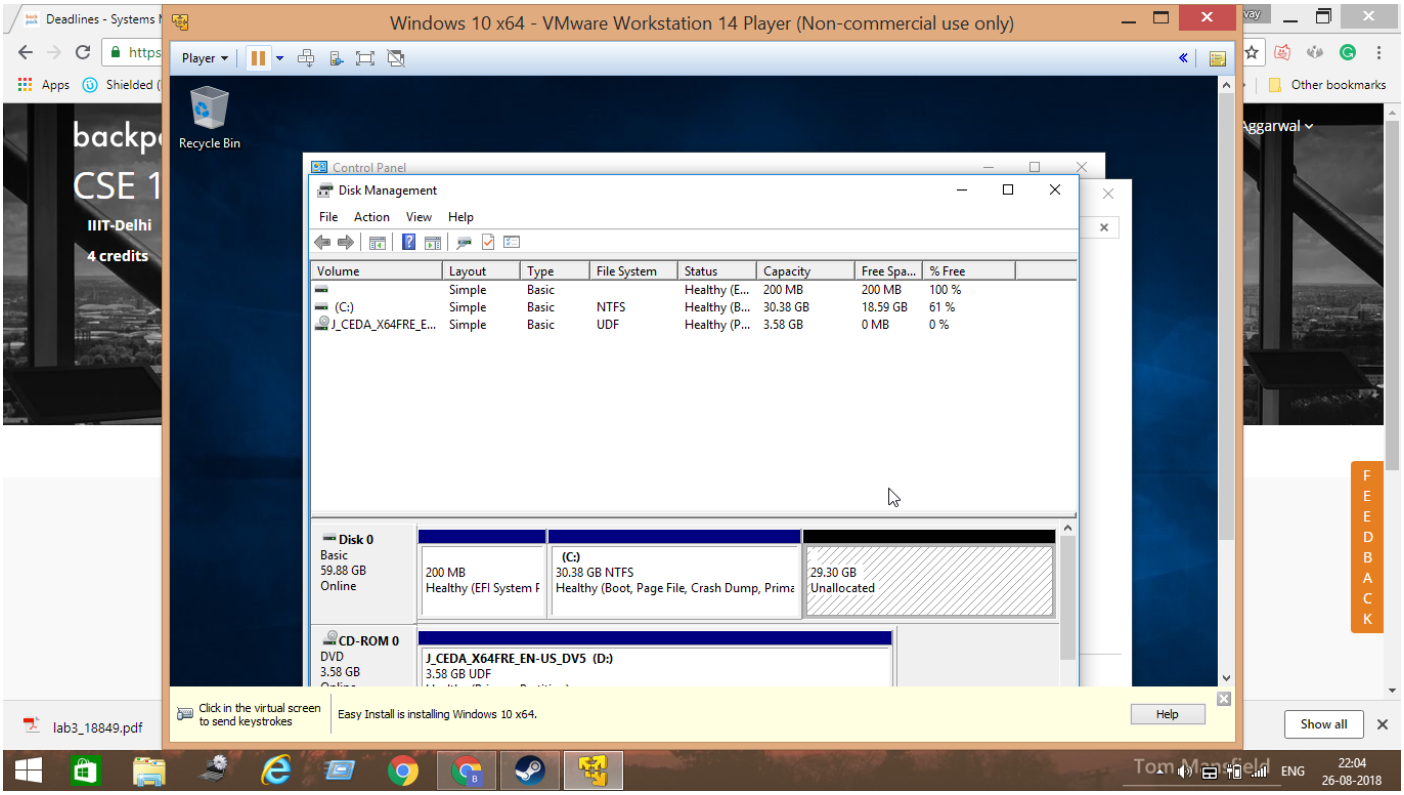




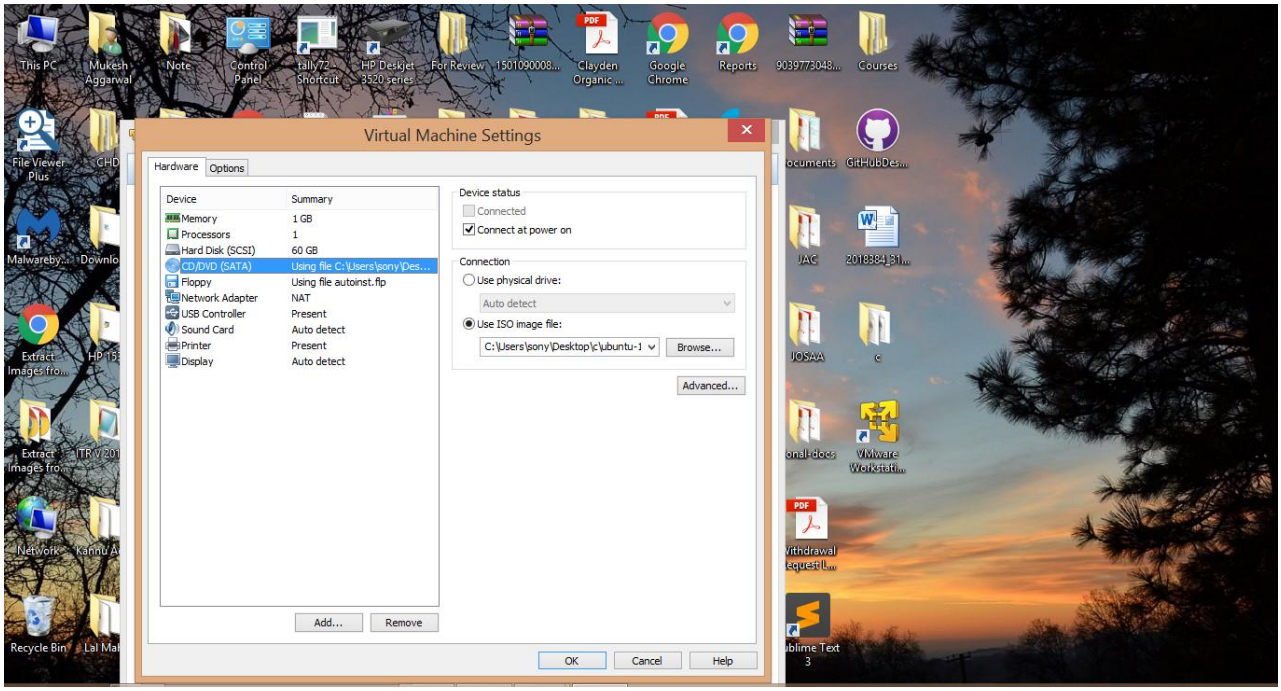
4. Now we shrink the size of the space allocated to the windows on the virtual machine to 30GB to create space for the Ubuntu. To do this, we access the disk management settings present in windows, select the drive we want to shrink and then select the amount to shrink.



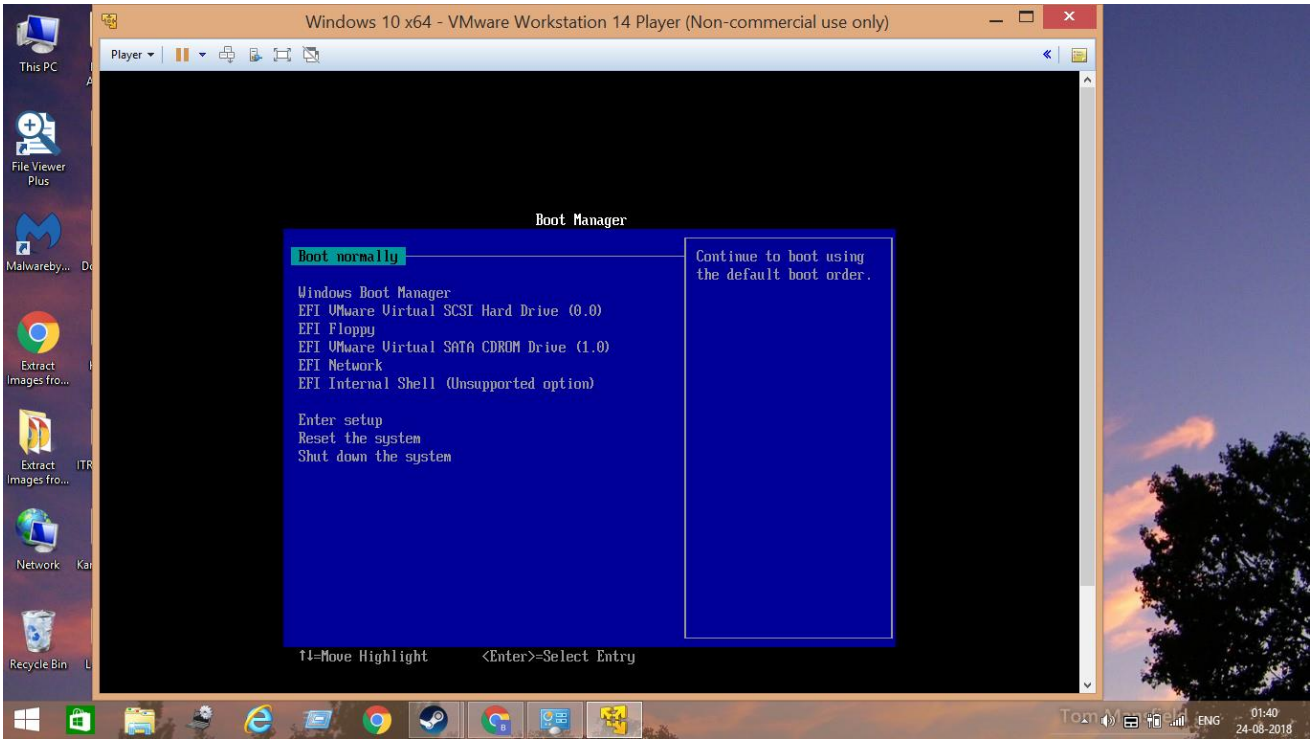

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Recycle Bin
Control Panel
Disk Management
File Action View Help
Volume Layout Type File System Status Capacity Free Spa... % Free
(C:) Simple Basic NTFS Healthy (B... 59.68 GB 47.99 GB 80 %
Shrink C:
Total size before shrink in MB: 61110
Size of available shrink space in MB: 49099
Enter the amount of space to shrink in MB: 30000
Total size after shrink in MB: 31110
You cannot shrink a volume beyond the point where any unmovable files are located. See the "defrag" event in the Application log for detailed information about the operation when it has completed.
See "Shrink a basic volume" in Disk Management help for more information
Shrink
Cancel
Disk 0 Basic 59.88 GB Online
CD-ROM 0 DVD 3.58 GB
J_CEDA_X64FRE_EN-US_DV5 (D:)
3.58 GB UDF
Click in the virtual screen to send keystrokes
Easy Install is installing Windows 10 x64.
Help
lab3_18849.pdf
Show all
22:01
26-08-2018


Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Recycle Bin
Control Panel
Disk Management
File Action View Help
Volume Layout Type File System Status Capacity Free Spa... % Free
(C:) Simple Basic NTFS Healthy (B... 30.38 GB 18.59 GB 61 %
J_CEDA_X64FRE_E... Simple Basic UDF Healthy (P... 3.58 GB 0 MB 0 %
Disk 0 Basic 59.88 GB Online
200 MB Healthy (EFI System F
(C:) 30.38 GB NTFS Healthy (Boot, Page File, Crash Dump, Prima
29.30 GB Unallocated
CD-ROM 0 DVD 3.58 GB
J_CEDA_X64FRE_EN-US_DV5 (D:)
3.58 GB UDF
Click in the virtual screen to send keystrokes
Easy Install is installing Windows 10 x64.
Help
lab3_18849.pdf
Show all
22:04
26-08-2018

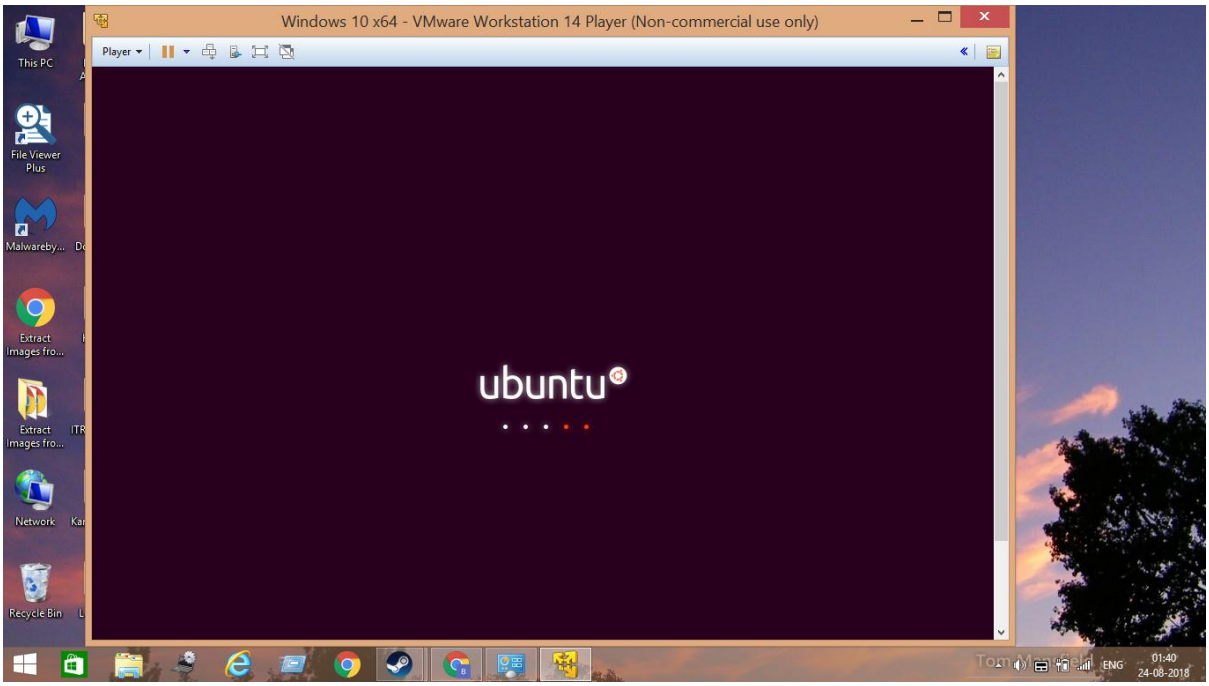
5. Then we boot Ubuntu to the CD-ROM of the virtual machine.

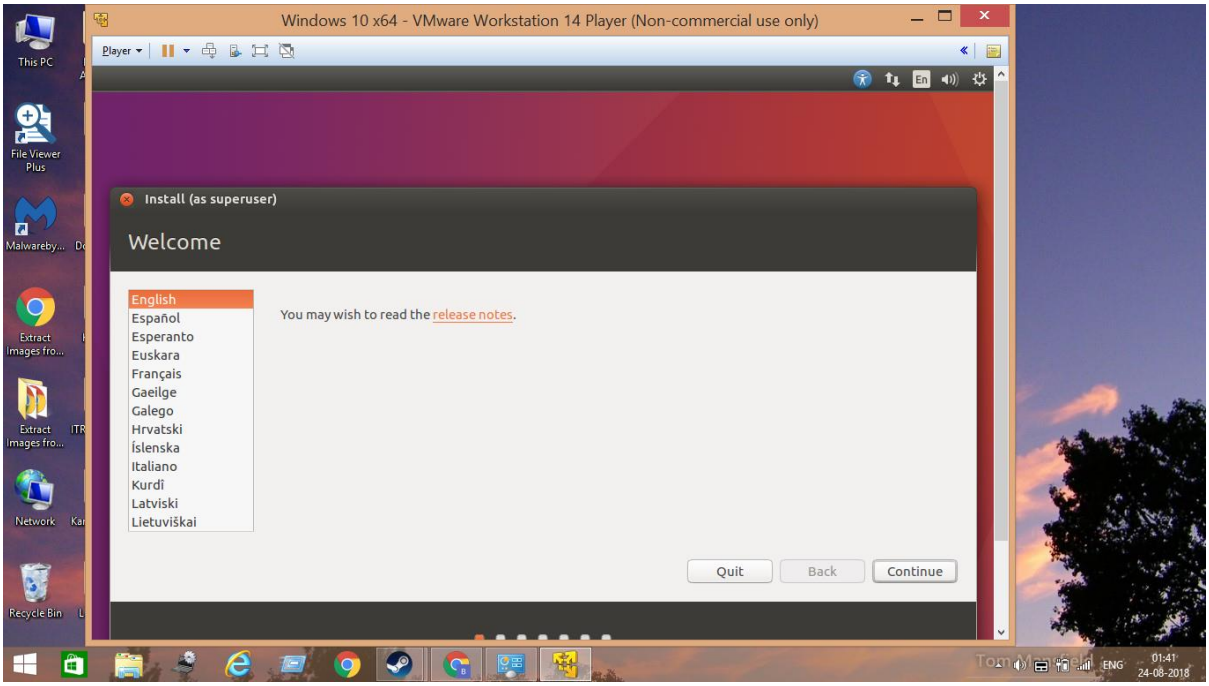


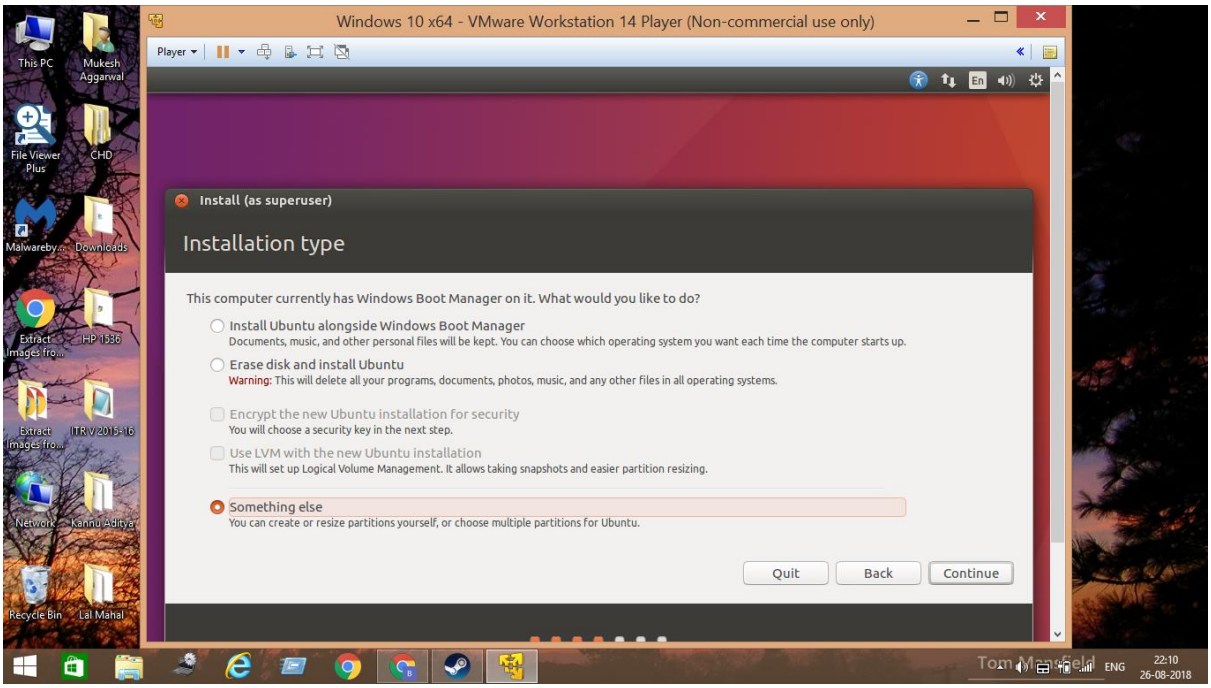
6. Now we enter the BIOS of the windows created on the virtual machine, and select the CD-ROM so that we can install the Ubuntu we just booted on it.

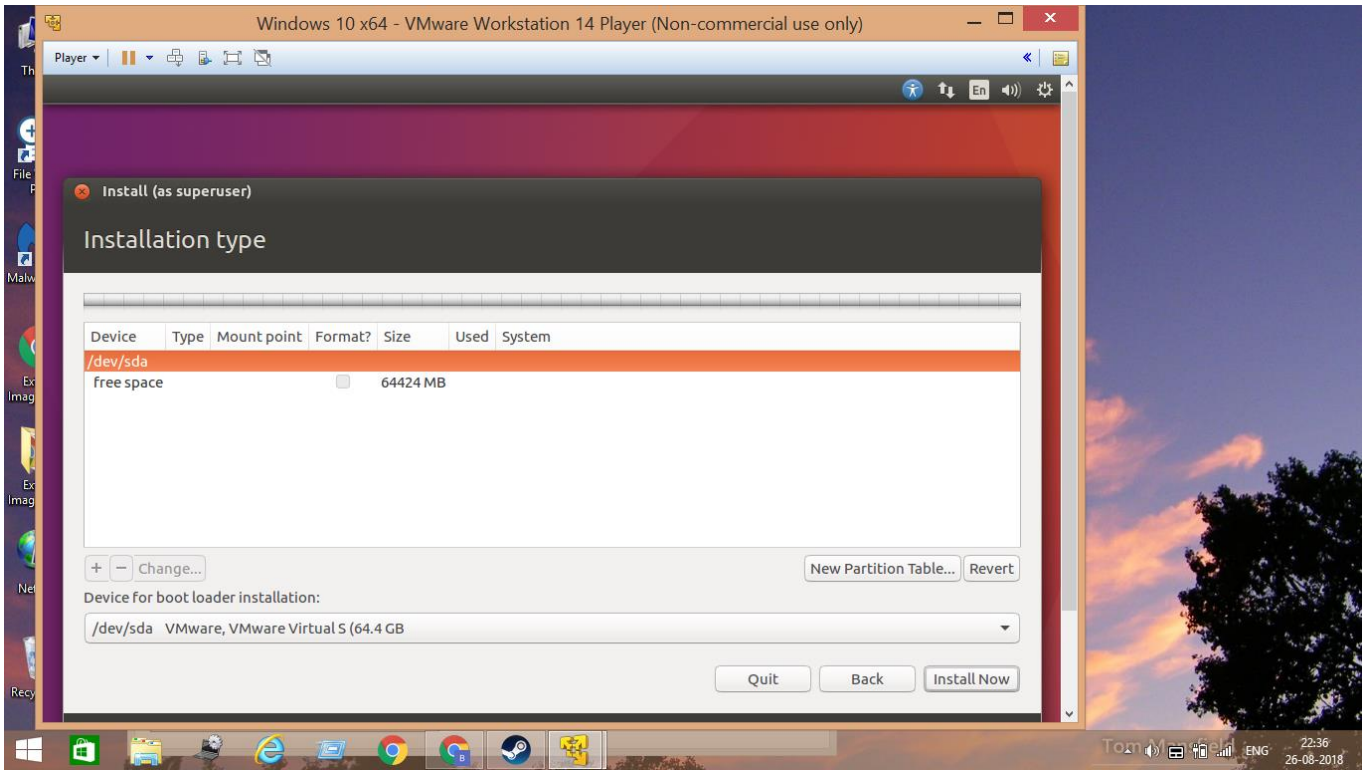


7. Now we install Ubuntu.

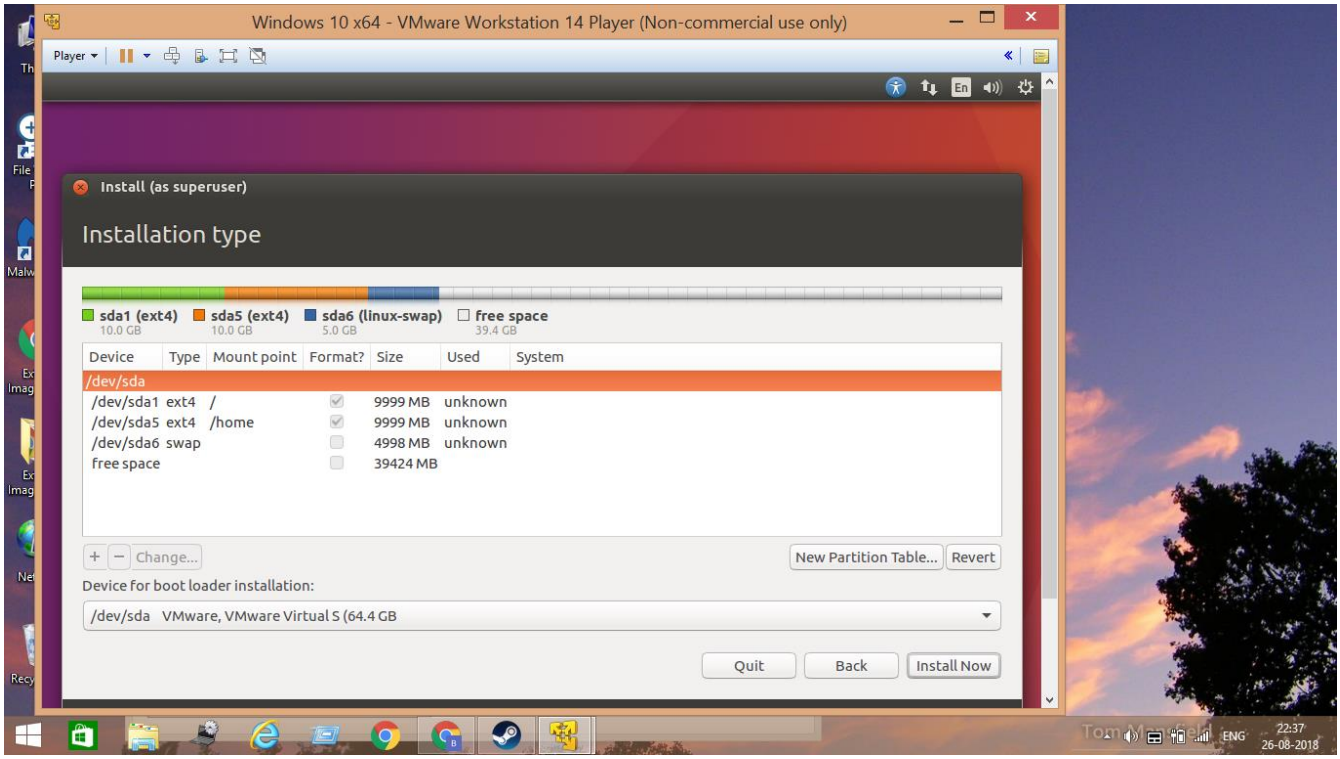

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
ubuntu

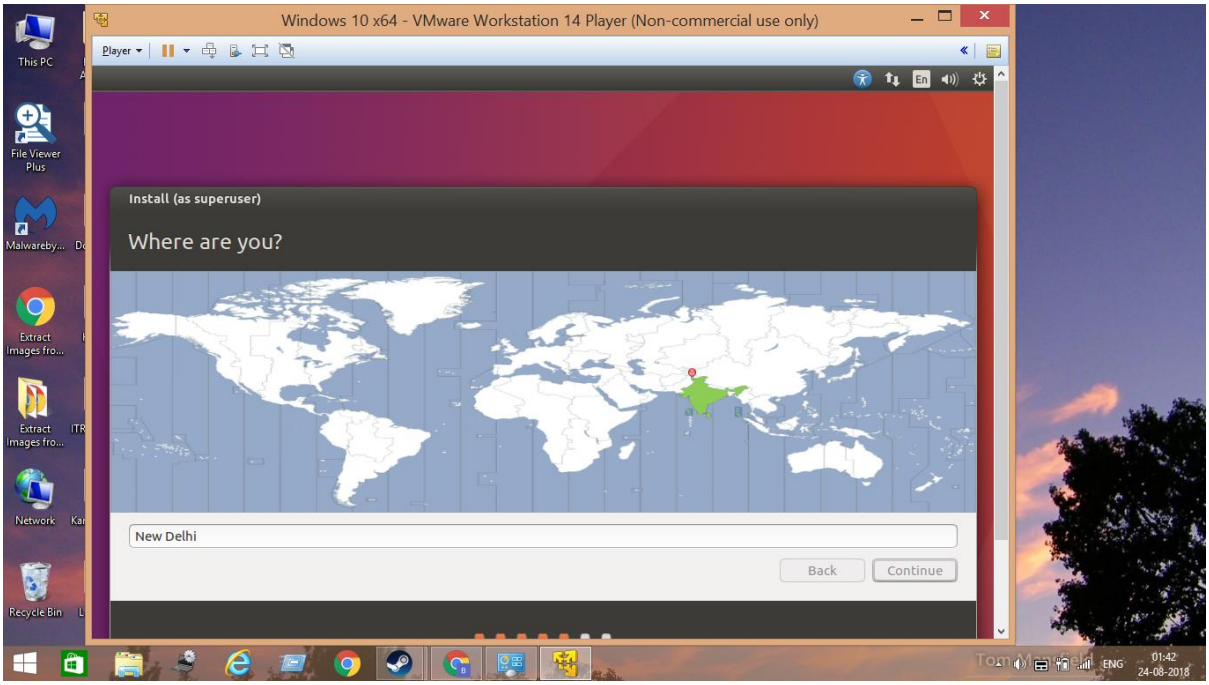

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Welcome
English
Español
Esperanto
Euskara
Français
Gaeilge
Galego
Hrvatski
Íslenska
Italiano
Kurdî
Latviski
Lietuviškai
You may wish to read the release notes.
Quit
Back
Continue

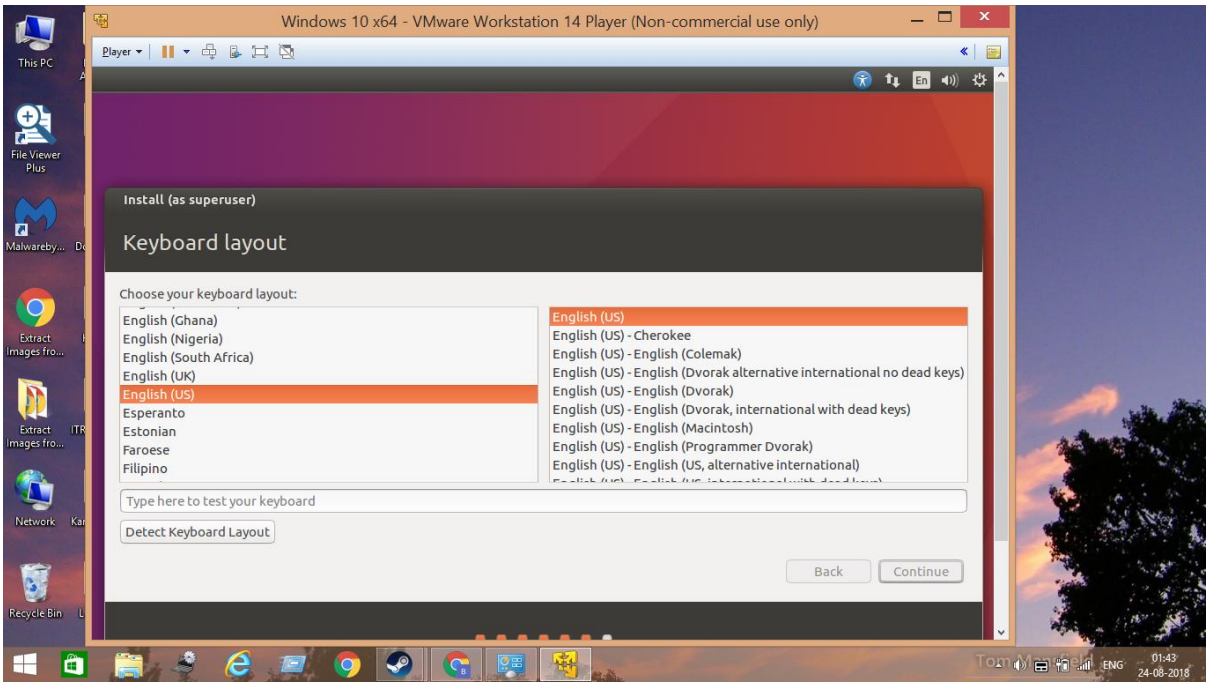

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Installation type
This computer currently has Windows Boot Manager on it. What would you like to do?
Install Ubuntu alongside Windows Boot Manager
Documents, music, and other personal files will be kept. You can choose which operating system you want each time the computer starts up.
Erase disk and install Ubuntu
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.
Encrypt the new Ubuntu installation for security
You will choose a security key in the next step.
Use LVM with the new Ubuntu installation
This will set up Logical Volume Management. It allows taking snapshots and easier partition resizing.
Something else
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.
Quit
Back
Continue

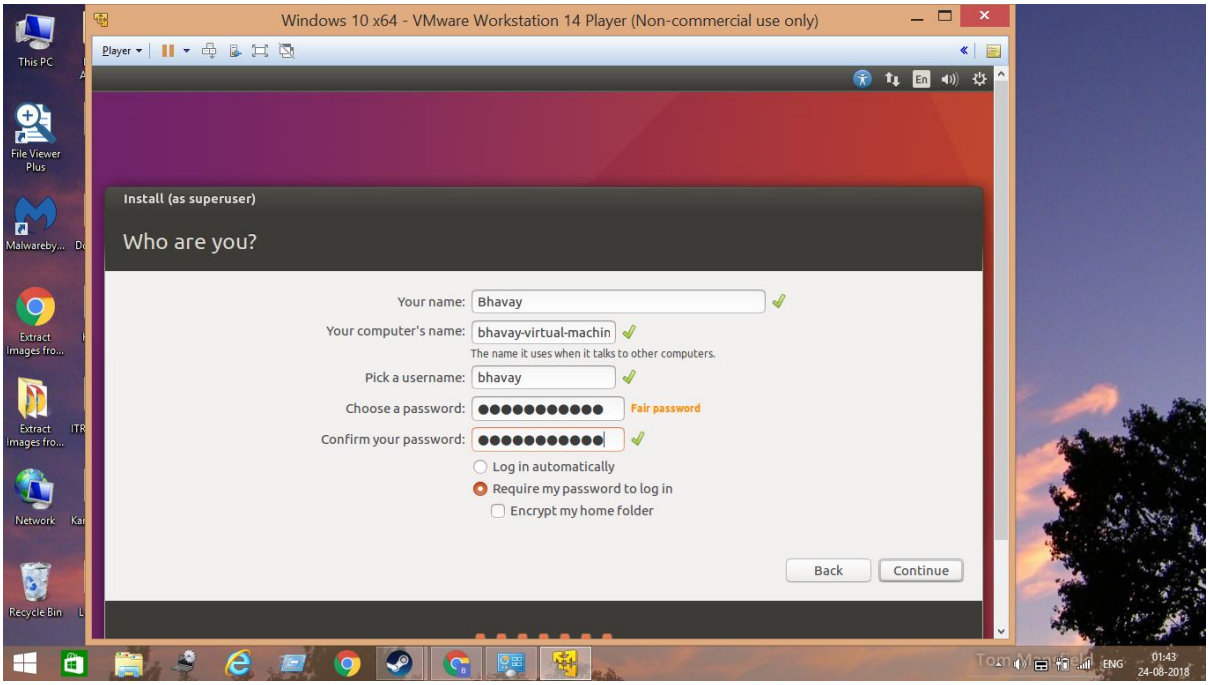


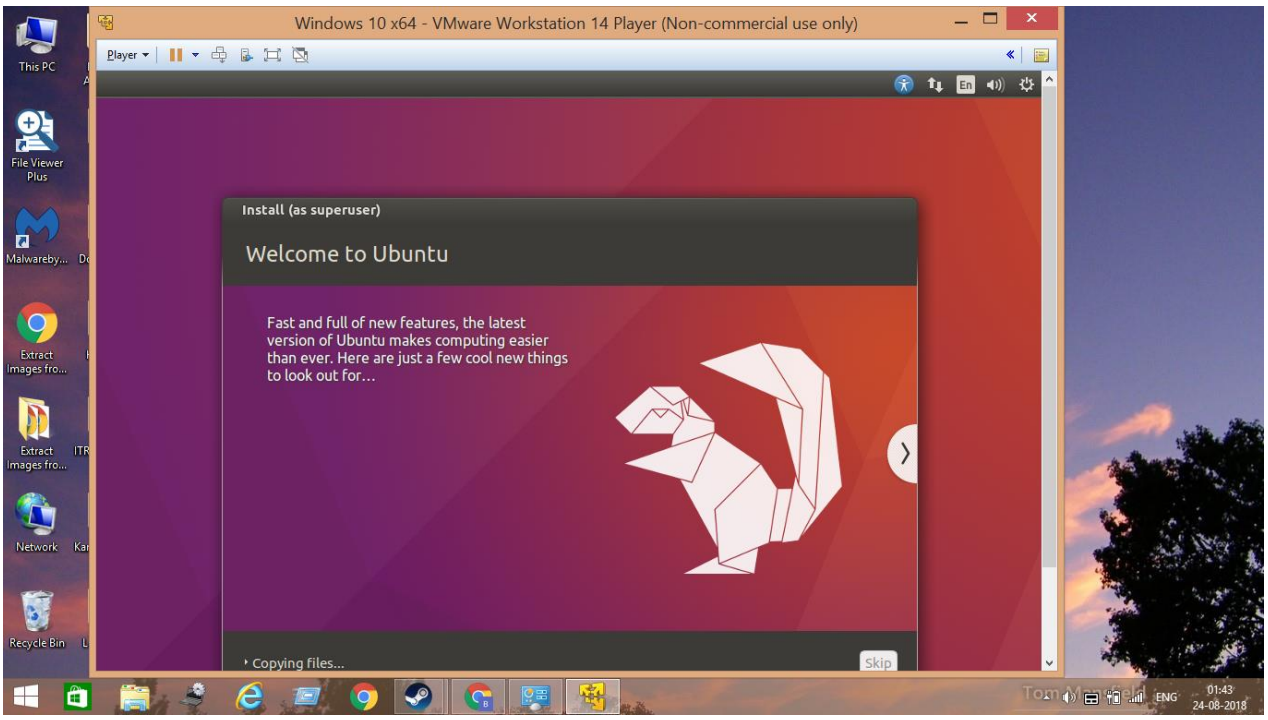
8. Now we create partition for /, /home and swap space.

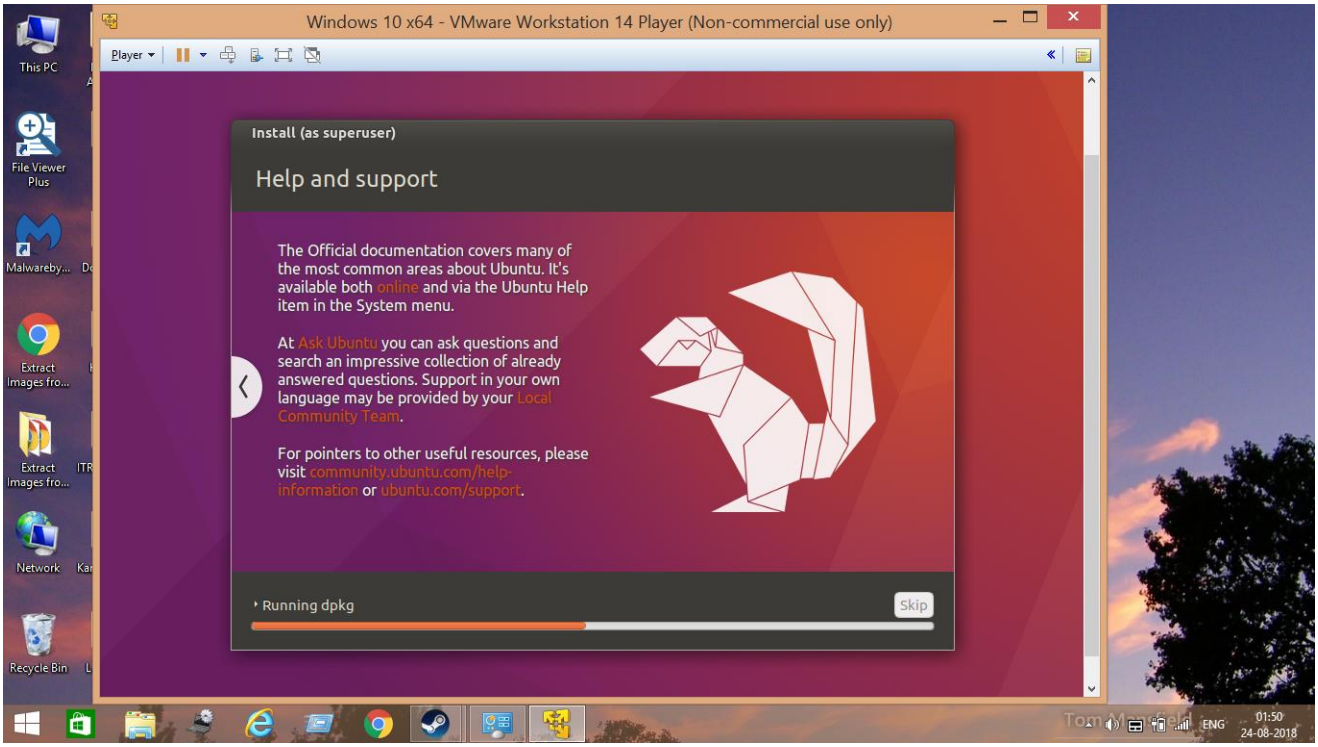


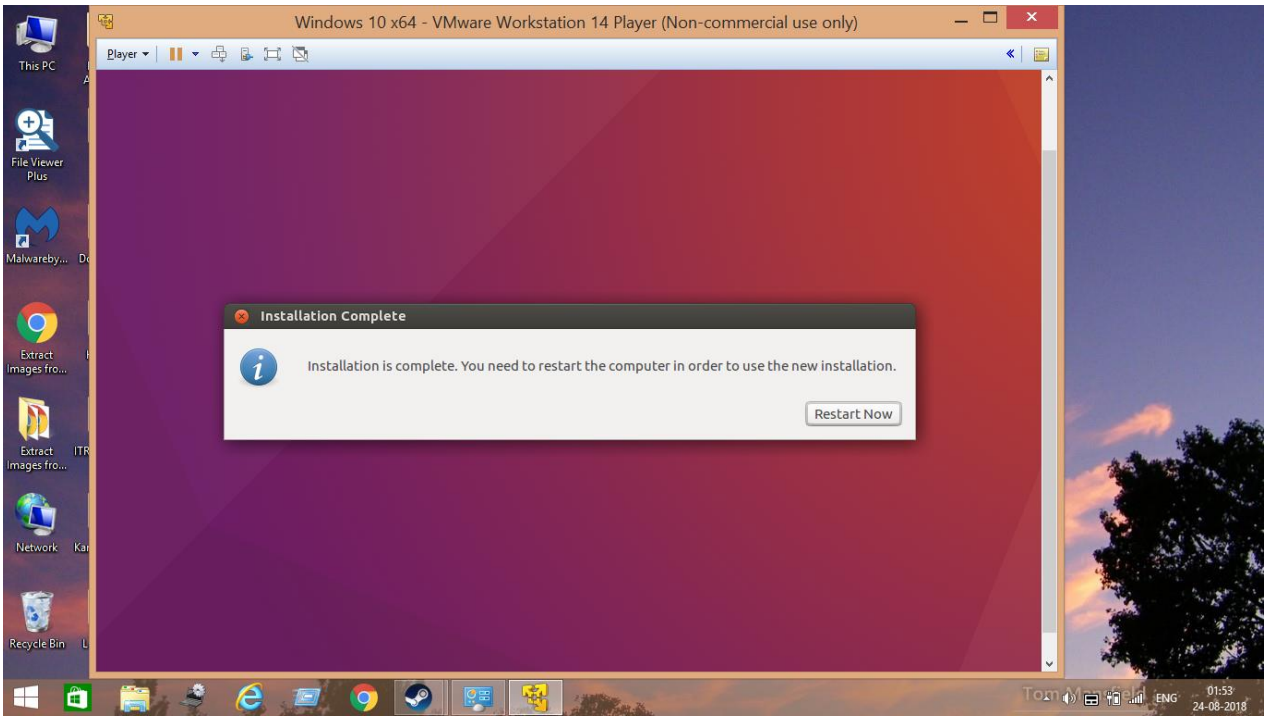

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Where are you?
New Delhi
Back
Continue

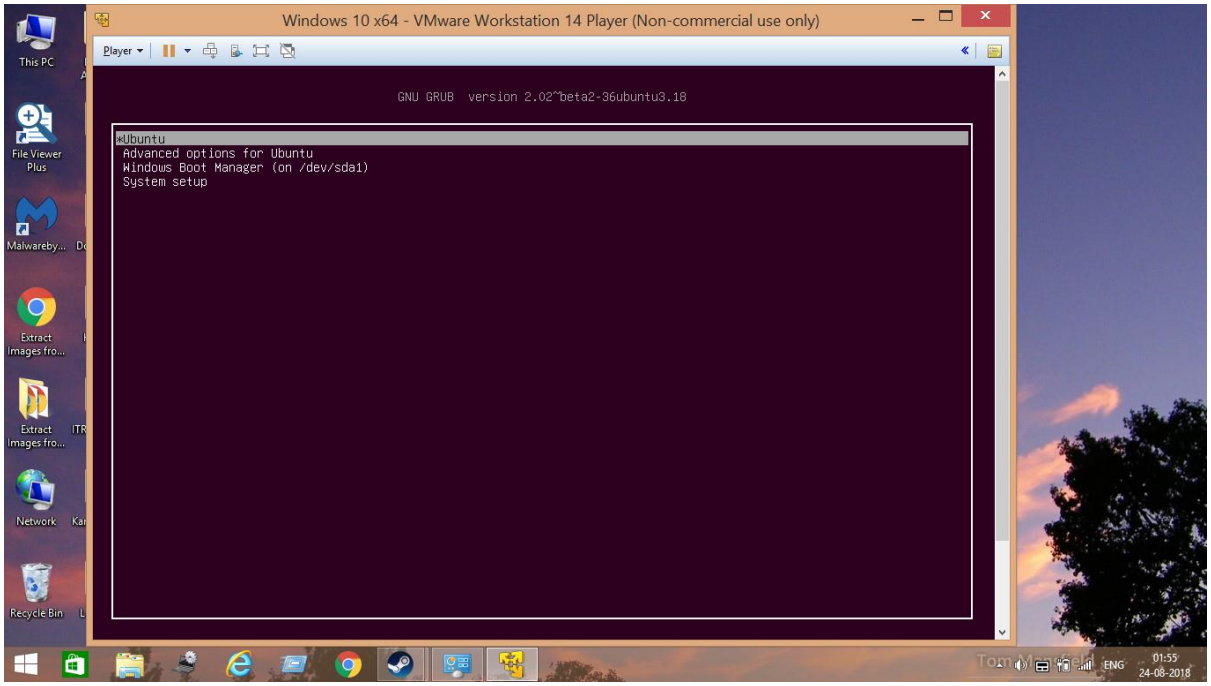
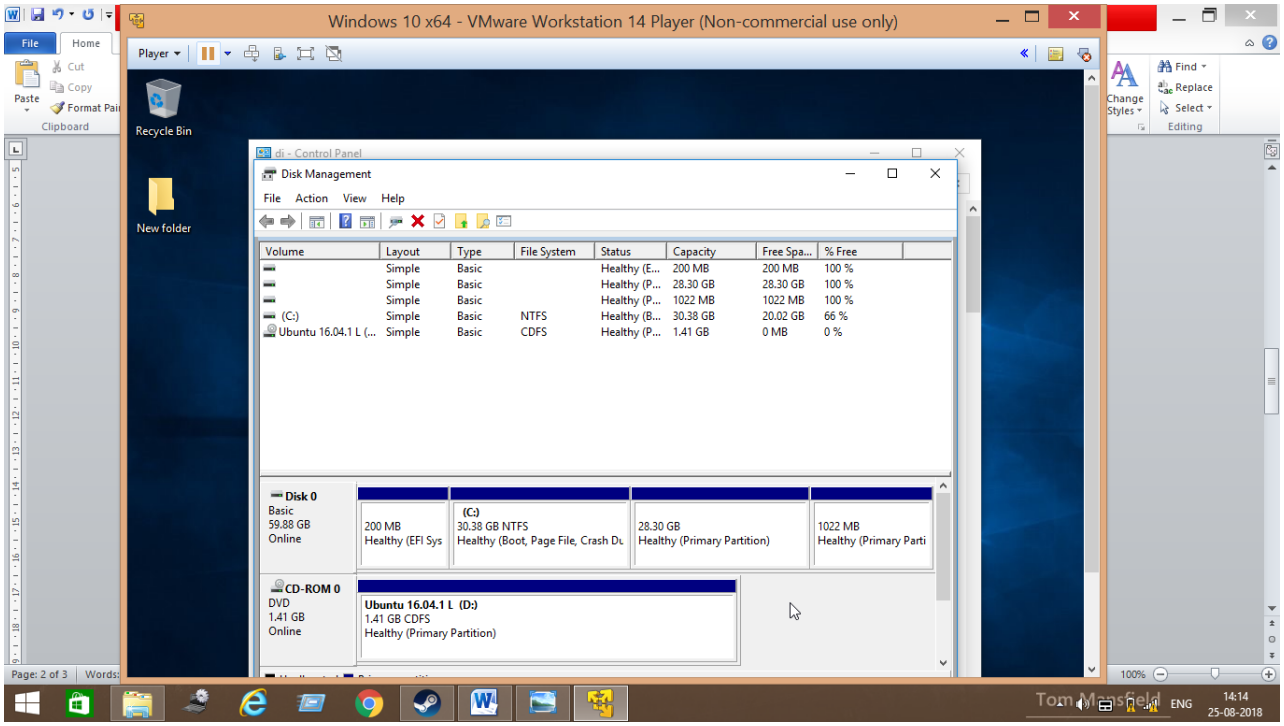

Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Keyboard layout
Choose your keyboard layout:
English (Ghana)
English (Nigeria)
English (South Africa)
English (UK)
English (US)
Esperanto
Estonian
Faroese
Filipino
English (US)
English (US) - Cherokee
English (US) - English (Colemak)
English (US) - English (Dvorak alternative international no dead keys)
English (US) - English (Dvorak)
English (US) - English (Dvorak, international with dead keys)
English (US) - English (Macintosh)
English (US) - English (Programmer Dvorak)
English (US) - English (US, alternative international)
Type here to test your keyboard
Detect Keyboard Layout
Back
Continue


Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Who are you?
Your name: Bhavay
Your computer's name: bhavay-virtual-machin
The name it uses when it talks to other computers.
Pick a username: bhavay
Choose a password:
Fair password
Confirm your password:
Log in automatically
Require my password to log in
Encrypt my home folder
Back
Continue


Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Welcome to Ubuntu
Fast and full of new features, the latest version of Ubuntu makes computing easier than ever. Here are just a few cool new things to look out for...
Copying files...
Skip
This PC
File Viewer Plus
Malwareby...
Extract Images fro...
Network
Recycle Bin
ENG
01:43
24-08-2018


Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Install (as superuser)
Help and support
The Official documentation covers many of the most common areas about Ubuntu. It's available both online and via the Ubuntu Help item in the System menu.
At Ask Ubuntu you can ask questions and search an impressive collection of already answered questions. Support in your own language may be provided by your Local Community Team.
For pointers to other useful resources, please visit community.ubuntu.com/help-information or ubuntu.com/support.
Running dpkg
Skip
This PC
File Viewer Plus
Malwareby...
Extract Images fro...
Network
Recycle Bin
ENG
01:50
24-08-2018


Windows 10 x64 - VMware Workstation 14 Player (Non-commercial use only)
Player
Installation Complete
Installation is complete. You need to restart the computer in order to use the new installation.
Restart Now
This PC
File Viewer Plus
Malwareby...
Extract Images fro...
Network
Recycle Bin
ENG
01:53
24-08-2018



9. Ubuntu has been successfully installed and as we restart we see the GRUB menu which allows us to choose between windows and Ubuntu to boots up which means we have successfully partitioned the virtual machine!!!!