

Ubuntu installation alongside windows 8/8.1 and 10

Important safety precautions in windows - Before starting the installation process

NOTE:-

1. If you are already using Windows OS in your computer, take data files backup to any external devices. This is for, in case if you delete any files doing the installation process.
2. Create separate new empty partition for Ubuntu (Minimum 40GB) installation.
3. For creating new partition in windows [click here](#) for the detail steps. After created new partition.
4. If possible create existed windows OS recovery DVD as well. While installing Ubuntu or later your windows OS corrupts, you can restore windows by using this DVD.
5. [Disable secureboot in Windows 10 and 8](#) :- This is the most important step. The new secure boot feature of Windows 8, originally intended for security feature for rootkit viruses, prevents dual booting of Windows with Linux. To dual boot Windows 8 with Linux, we must disable secure boot in UEFI.

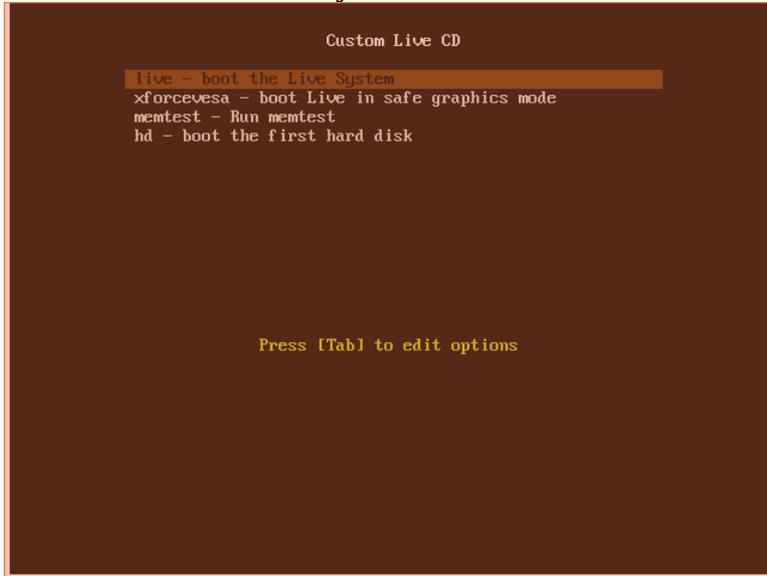
Once you have disabled secure boot, it's time to install Ubuntu. Insert Ubuntu DVD or Ubuntu bootable pendrive.

In this handout we are using DVD for the installation.

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1. Custom Live CD :

Restart your computer. You should see a Welcome screen prompting you to choose the different live option, select “ **Live-boot the live system**”.

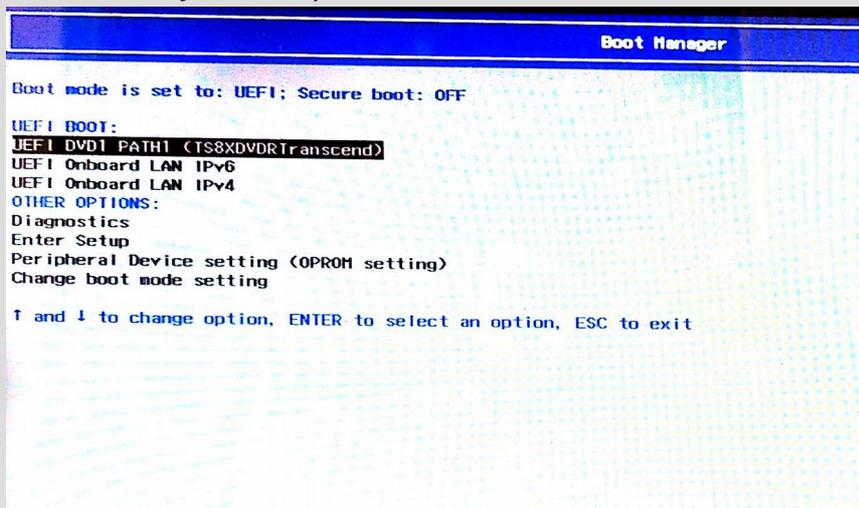


If you are able to get this screen then directly go to second steps.

NOTE:-

If you don't get this menu, you have to set up **Boot menu** first boot device as **DVD** drive, for doing this, follow the below steps

- Restart your computer after inserted ubuntu DVD in DVD writer.

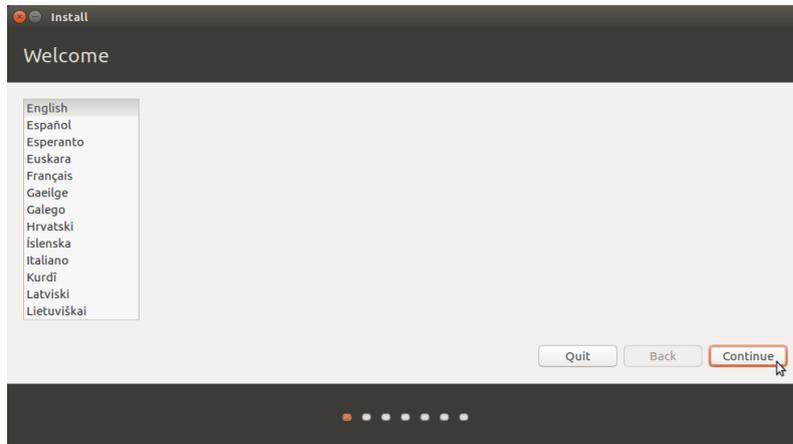


Computers require you to hold down or press a key to entering to “**boot menu**”. The most common way to enter the boot menu in any computer is to press F12 key and in few models it will be either F2, F10, F8 or F12 keys from the key board.

- In the above screen you have to select DVD (If you are using Pen drive for installing, select USB from the list) as First boot devices then press **Enter**. Now your computer will boot from DVD.

2. Welcome screen :

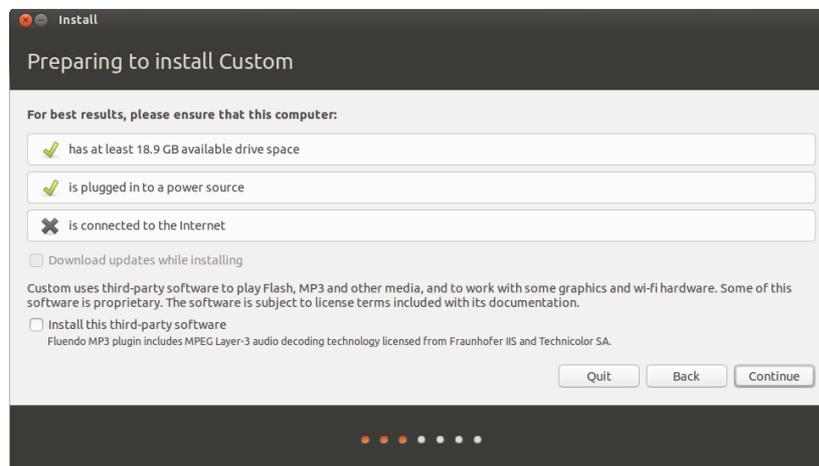
Choose language (English): By default, it will select English as a language.



Click on **Continue**.

3. Prepare to install Ubuntu :

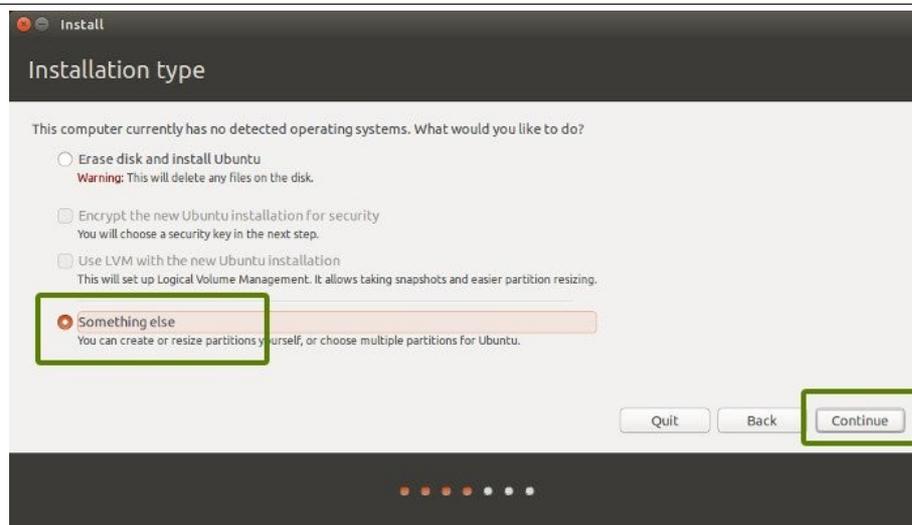
1. Make sure your system has enough free space (atleast 30 GB should be available in single drive).
2. If you are using laptop, then it will ask you for connect a poyour adopter.
3. It will show about your intrnet connection status.



Click on **Continue**.

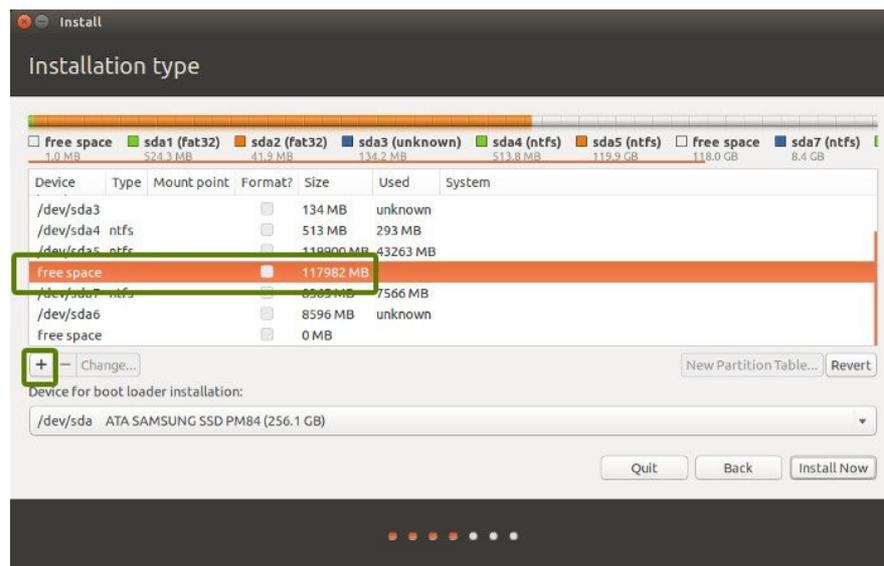
4. Installation type :-

- The main screen which you should pay attention to is **Installation Type**. Choose **“Something else”** here:

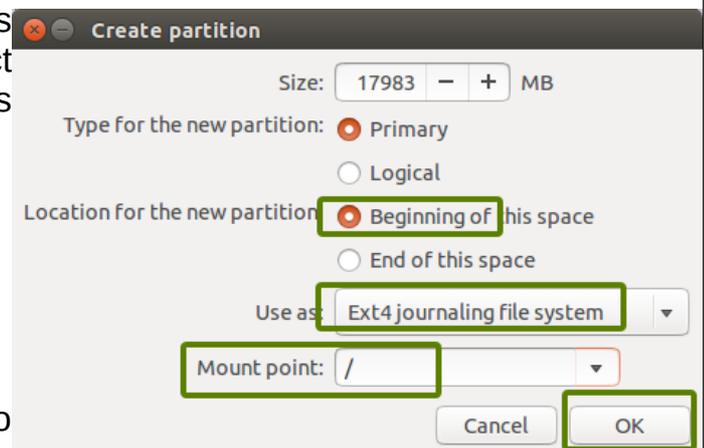


Click on “Continue”.

- Remember we had created some free new partition for ubuntu installation in windows right? We shall use that partition now to create Root, Swap and Home. Select the free space and click on the + sign

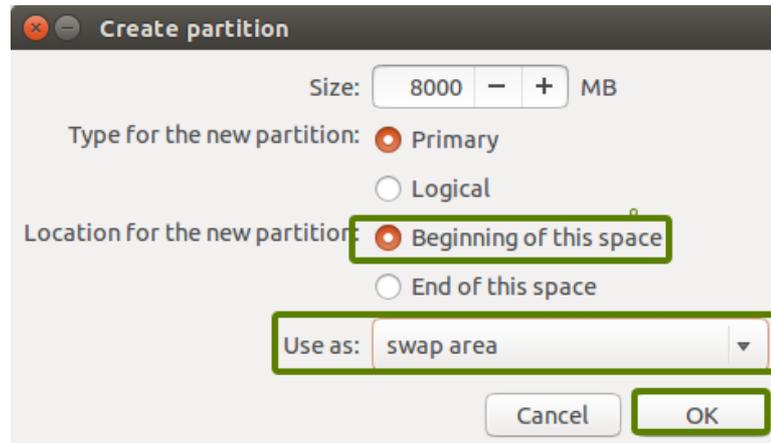


- It will provide you with option to create Linux partition. We are creating the Root partition. Any thing between 40-50GB is sufficient for it. Choose the size, select Ext 4 as file type and / (means root) as the mount point.

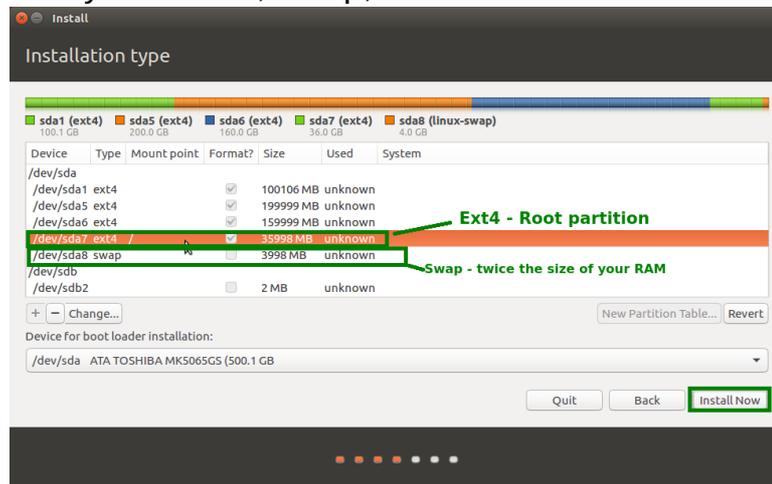


Clicking on OK in this step will bring you to the partition screen.

- Next we will create swap. Like previously, click on the + sign again. This time use the file type as Swap area. Suggestible swap size is double of RAM.

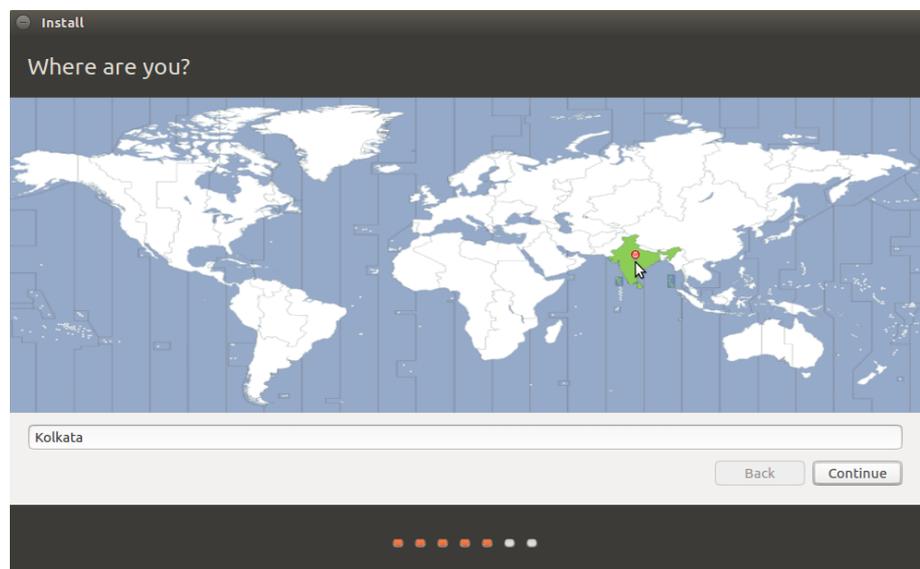


- Once you are ready with Root, Swap, click on **Install Now**:



5. Select your location :-

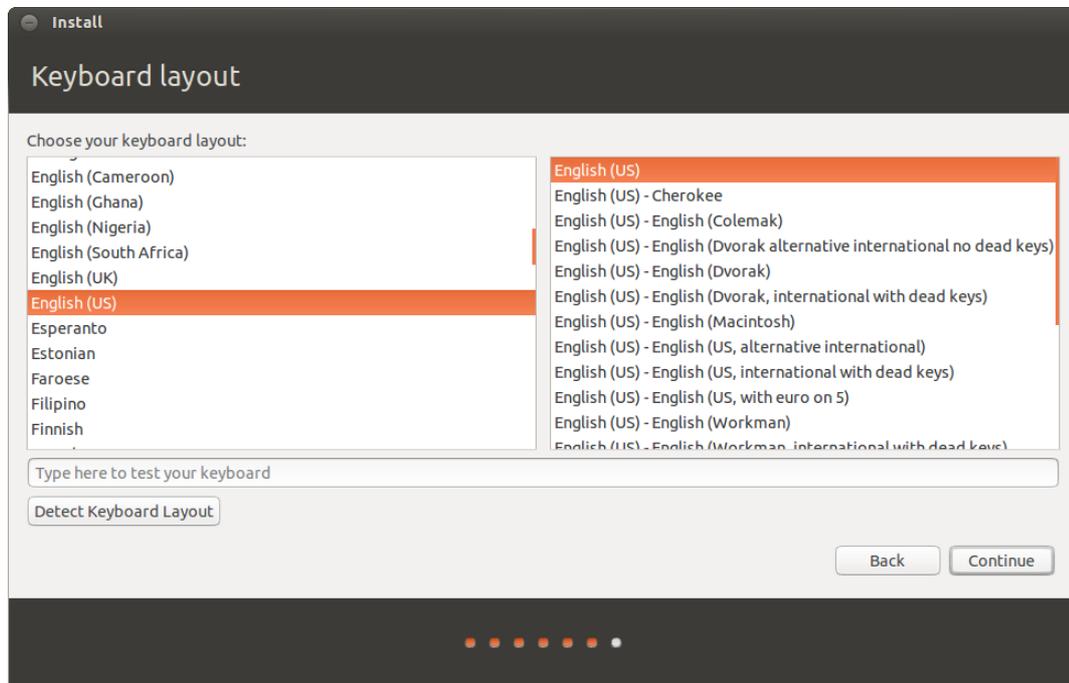
Click on **India** from the map, it will select you time zone place etc.



Click on **Continue**.

6. Keyboard layout :-

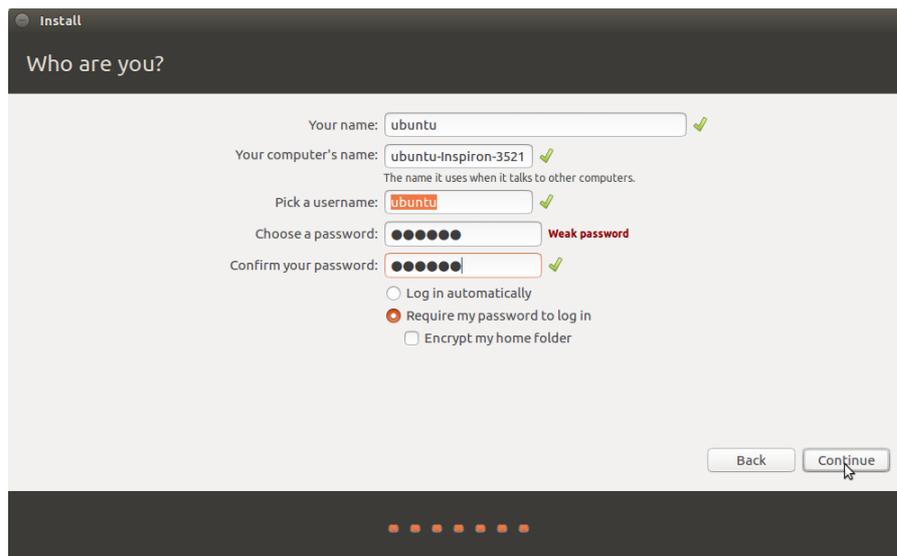
Here it will select your keyboard layout method by its own, do not change this.



Click on **Continue**.

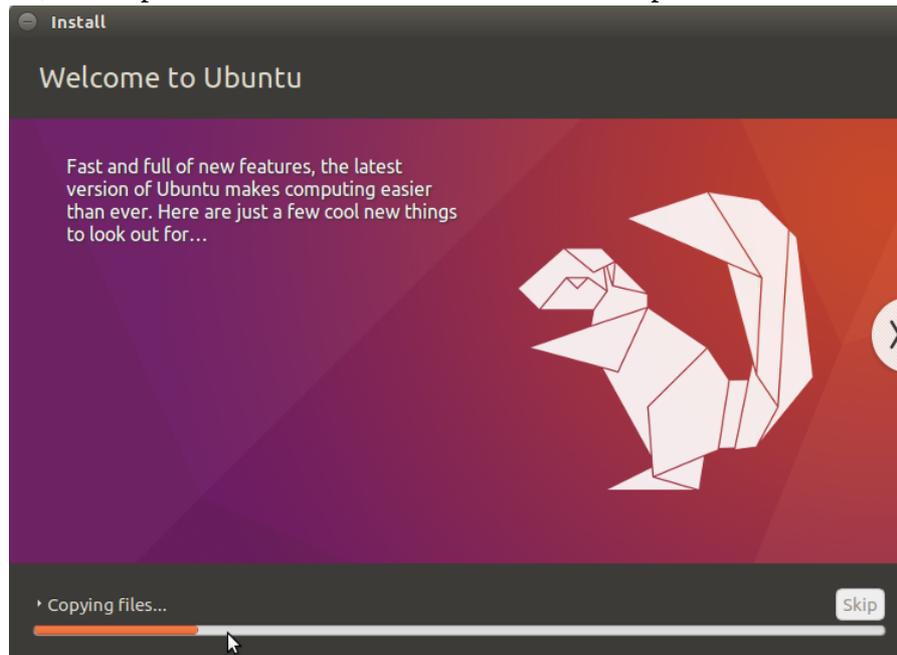
7. User details :-

Enter all the details like User name, login password and reconfirm the password, rest of the option you just leave it.

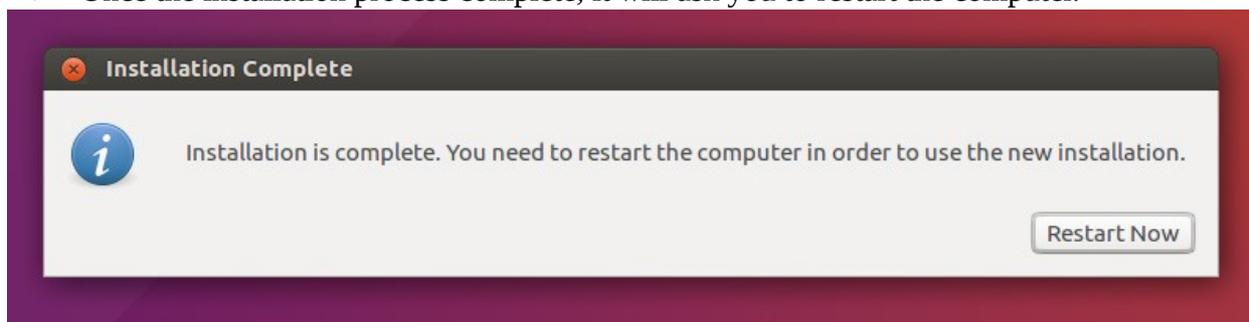


Now finally click on **Continue**.

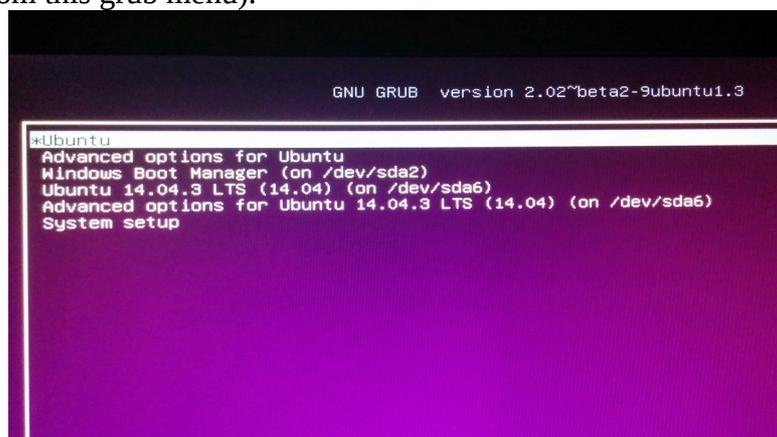
- From now, it will proceed with the rest of the installation process.



- Once the installation process complete, it will ask you to restart the computer.



- Automatically DVD tray will come out from the drive, remove the installation DVD and press Enter.
- Now Your computer will restart and will show the grub menu(each time when you start the computer), By default computer will select ubuntu and login(For windows login – select windows from this grub menu).



If your laptop not booting into Ubuntu – Follow this steps in each time you need Ubuntu

1. *Switch on the computer and quickly press boot keys(These keys will depend on `laptop company)*

Below are example keys based on laptop companies :-

- *Dell : f12, Delete*
- *HP : f9, esc or delete*
- *Lenovo and acer : f10 f12 or delete keys.*
- *Here Select Ubuntu and Press **Enter***