***Lab No-01***

***Name of the lab:***How to install Linux operating system

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***Objective:***

i) What is Linux Operating system?

ii) Different Type of Linux Distribution.

iii) How can we install Linux Operating System?

**(1)What is Linux Operating system?**

**Ans:**

The [Linux](https://www.webopedia.com/TERM/L/Linux.html) [open source](https://www.webopedia.com/TERM/O/open_source.html) [operating system](https://www.webopedia.com/TERM/O/operating_system.html) is a freely distributable, cross-[platform](https://www.webopedia.com/TERM/P/platform.html) operating system based on Unix  that can be installed on PCs, laptops, netbooks, mobile and tablet devices, video game consoles, servers, supercomputers and more.

**(2)Different Type of Linux Distribution.**

**Ans:**

There are the top 10 Linux distributions are given below. They are:

* LINUX MINT
* MANJARO
* DEBIAN
* UBUNTU
* ANTERGOS
* SOLUS
* FEDORA
* ELEMENTARY OS
* OPENSUSE

**(3) How can we install Linux Operating System?**

**Ans:**

Installing Linux is arguably easier than installing Windows. We can Install Linux operating system through below steps:

#### **Step-01**

Download Wubi to my desktop and run the executable program.

#### **Step-02**

Choose the drive where we want our installation to go. Then it will place a file on our local drive which it will use as a virtual hard drive. In most Windows installations, C: is the local hard drive, so choose it from the dropdown menu as our installation drive.

#### **Step-03**

Choose an installation size. The base installation requires about four gigabytes. Since we'll want some room to install programs and store our data, choose a size larger than that.

#### **Step-04**

Select one of the four desktop environments for our installation. Wubi can install Ubuntu, Kubuntu, Xubuntu, and Edubuntu. These are all variations of Ubuntu cut from the same cloth, but all "feel" different. The default Ubuntu installation uses the Gnome desktop. Now we're going with the default Ubuntu (Gnome) installation.

#### **Step-05**

Select our language.

#### **Step-06**

Input a username and password for our installation. Don't forget these because we'll need them to log on to our computer, install programs, and make changes to the system.

#### **Step-07**

Click "Install" and Wubi will begin downloading the installation files. The download is about 600 megabytes.

#### **Step-08**

Once the installation files are downloaded, we'll be asked to reboot our system. When we do, our computer will restart, but instead of booting directly into an operating system, we'll see a screen that ask us to select. Choose Ubuntu to complete the installation.

#### **Step-09**

Once the installation has finished, we'll have a completely functional Ubuntu Linux install.

**Conclusion :**

  After studying what Linux operating system is and its different types of Linux distribution, i will agree that this software has made and will continue making history for being so popular and useful. From a technology perspective, Linux is a first rate operating system. It’s a powerful UNIX-like operating system with an unbelievably low price (free).