

## **EXPERIMENT 2:**

**Every student should individually install operating system like Linux or MS windows on the personal computer. The system should be configured as dual boot with both windows and Linux.**

**AIM:** To install Windows XP

**Software Requirement:** Windows XP Compact Disc **Hardware Requirement:**  
Personal computer

### **PROCEDURE:**

1. Keep on press the delete button and go to advanced BIOS feature [ BIOS- Basic Input Output System ]
2. And go to boot sequence. Select first boot drivers. CD ROM and press F10 to save the bios feature. Yes and then enter. Press any key to boot from CD. Press enter to setup windows XP.

F8 = To agree the license.

3. Press ESC to don't repair the windows XP setup.
4. Press p to delete the previous partitions. Then press enter.
5. Press L to delete the partition.
6. Press C to create the partition in the UN partition space.
7. Press enter to setup windows XP on the selected items.

### **BASIC FILE SYSTEMS:**

FAT: File Allocation Table.

NTFS: New Technology File System.

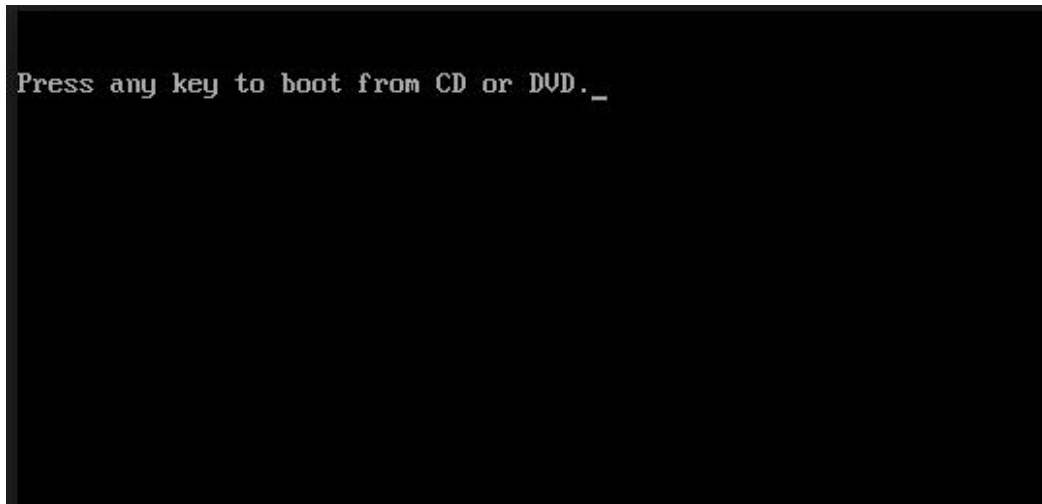
Format the create using NTFS partition.

### **BASIC STEPS IN INSTALLATION:-**

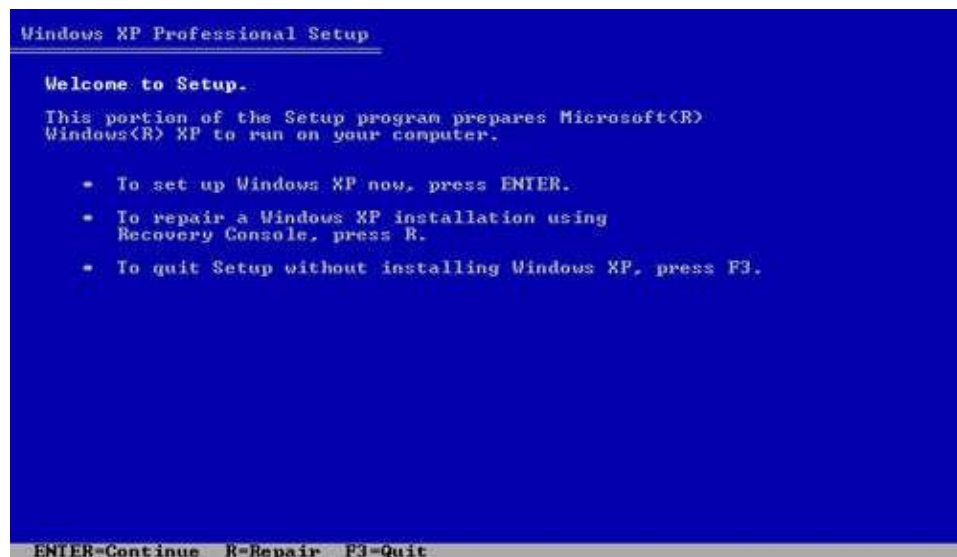
1. Collecting information.
2. Dynamic update
3. Preparing installation

## SCREEN SHOTS OF WINDOWS XP INSTALLATION :

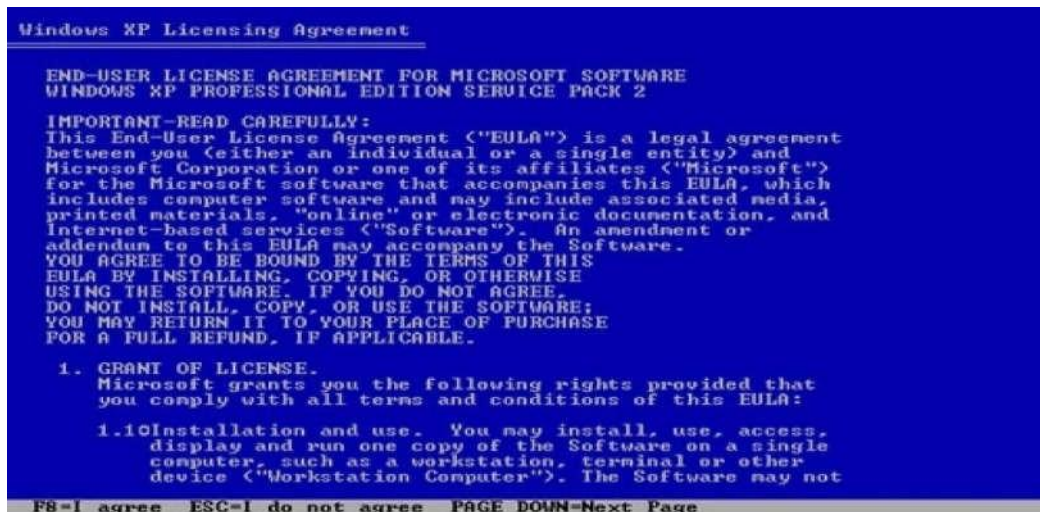
1. Insert the Windows XP CD into your computer and restart your computer. If prompted to start from the CD, press SPACEBAR. If you miss the prompt (it only appears for a few seconds), restart your computer to try again.



2. Windows XP Setup begins. During this portion of setup, your mouse will not work, so you must use the keyboard. On the **Welcome to Setup** page, press ENTER.



3. On the **Windows XP Licensing Agreement** page, read the licensing agreement. Press the PAGEDOWN key to scroll to the bottom of the agreement. Then press F8.



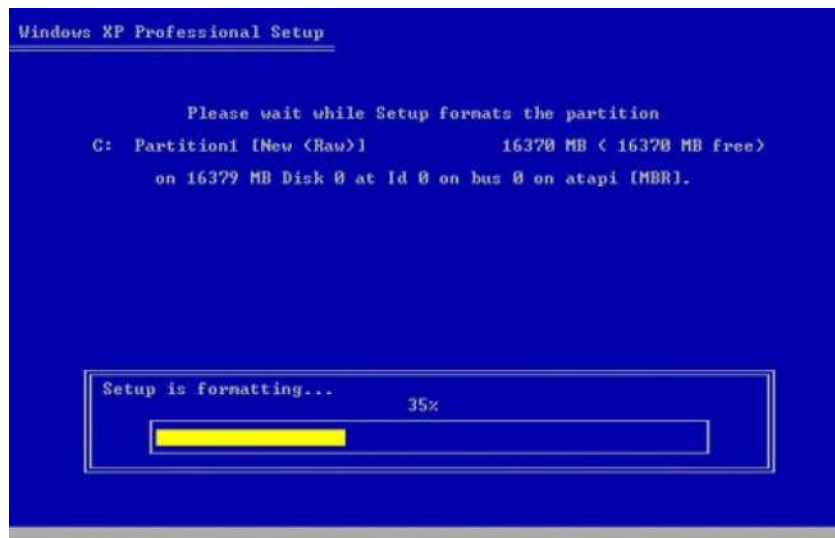
4. This page enables you to select the hard disk drive on which Windows XP will be installed. Once you complete this step, all data on your hard disk drive will be removed and cannot be recovered. It is extremely important that you have a recent backup copy of your files before continuing. When you have a backup copy, press D, and then press L when prompted. This deletes your existing data. Press ENTER to select **Unpartitioned space**, which appears by default.



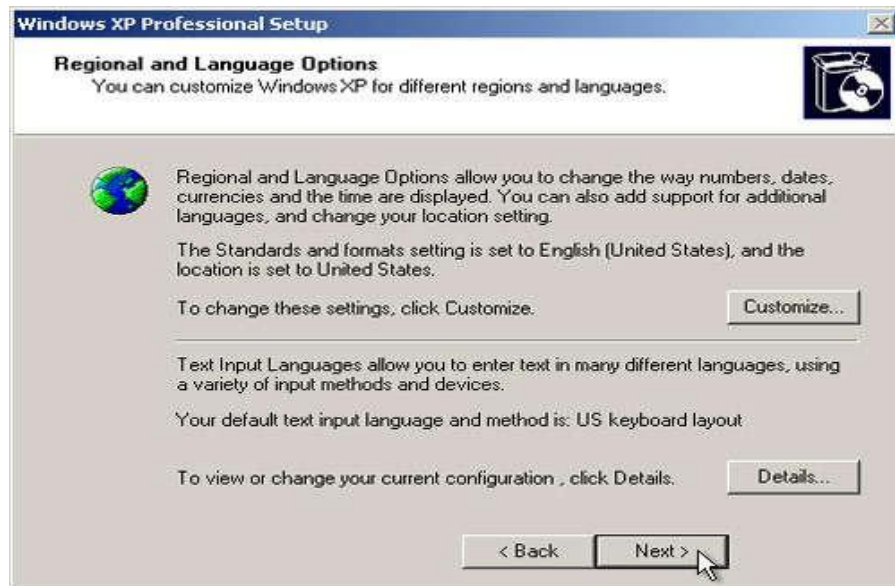
5. Press ENTER again to select **Format the partition using the NTFS file system**, which appears by default.



6. Windows XP erases your hard disk drive using a process called formatting and then copies the setup files. You can leave your computer and return in 20 to 30 minutes.



7. Windows XP restarts and then continues with the installation process. From this point forward, you can use your mouse. Eventually, the **Regional and Language Options** page appears. Click **next** to accept the default settings. If you are multilingual or prefer a language other than English, you can change language settings after setup is complete



8. On the **Personalize Your Software** page, type your name and your organization name. Some programs use this information to automatically fill in your name when required. Then, click **Next**.



9. On the **Your Product Key** page, type your product key as it appears on your Windows XP CD case. The product key is unique for every Windows XP installation. Then, click **Next**.



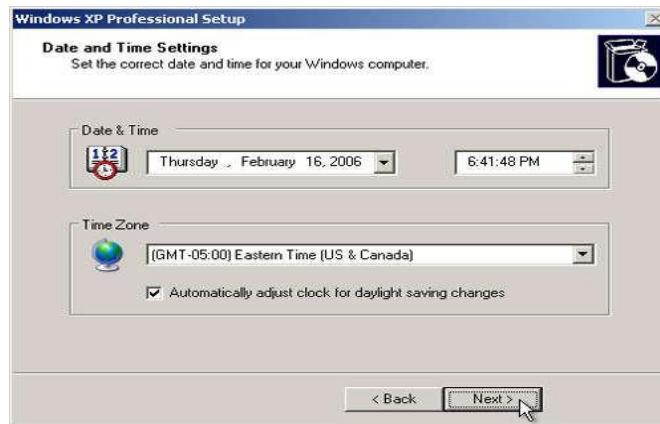
10. On the **Computer Name and Administrator Password** page, in the Computer name box, type a name that uniquely identifies your computer in your house, such as FAMILYROOM or TOMS. You cannot use spaces or punctuation. If you connect your computer to a network, you will use this computer name to find shared files and printers. Type a strong password that you can remember in the **Administrator password** box, and then retype it in the **Confirm password** box. Write the password down and store it in a secure place. Click **Next**.



11. On the **Date and Time Settings** page, set your computer's clock. Then, click the



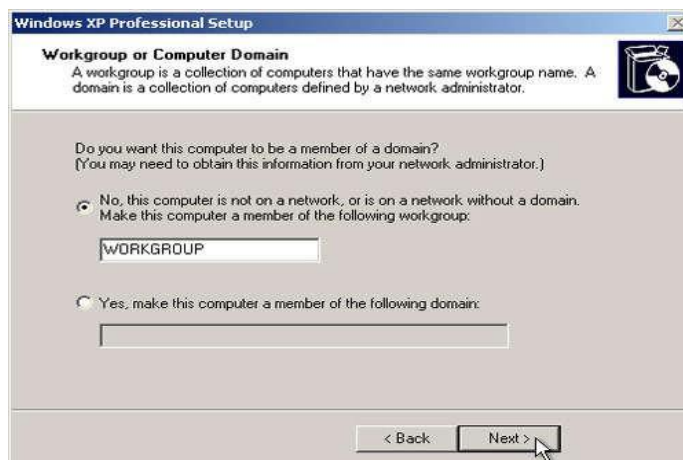
**Time Zone** down arrow, and select your time zone. Click **Next**.



12. Windows XP will spend about a minute configuring your computer. On the **Networking Settings** page, click **Next**.

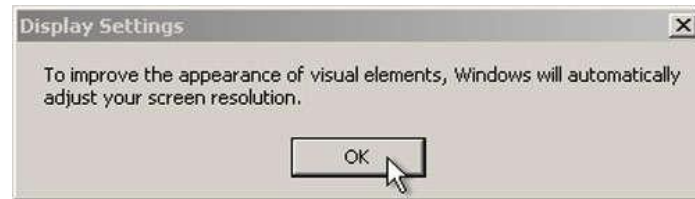


13. On the **Workgroup or Computer Domain** page, click **Next**.

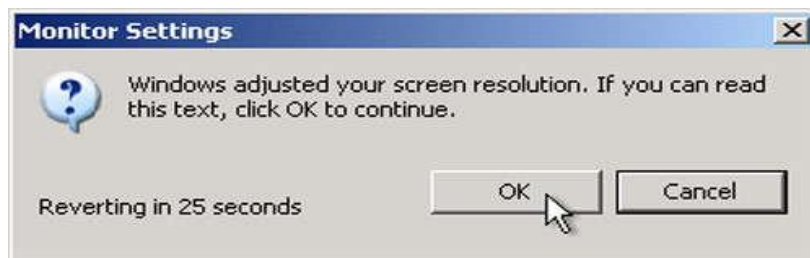


14. Windows XP will spend 20 or 30 minutes configuring your computer and will

automatically restart when finished. When the **Display Settings** dialog appears, click **OK**



15. When the **Monitor Settings** dialog box appears, click **OK**.



16. The final stage of setup begins. On the **Welcome to Microsoft Windows** page, click **Next**.



17. On the **Help protect your PC** page, click **Help protect my PC by turning on Automatic Updates now**. Then, click





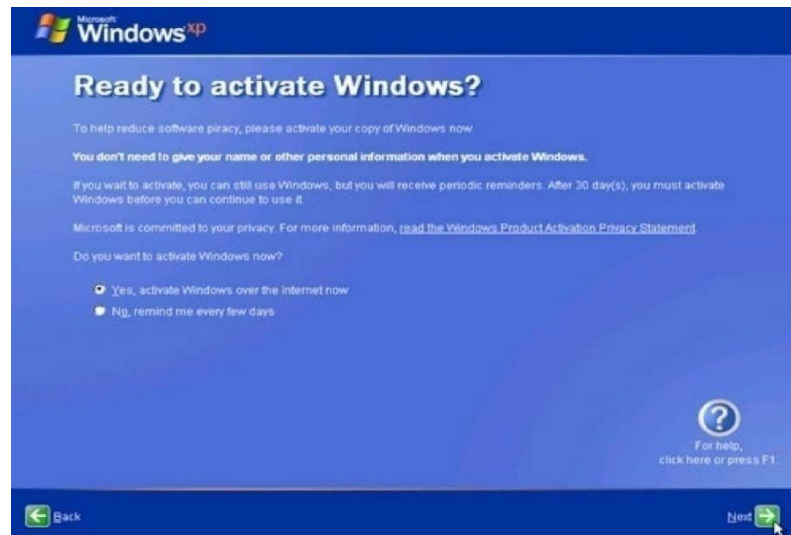
18. Windows XP will then check if you are connected to the Internet: If you are connected to the Internet, select the choice that describes your network connection on the **Will this computer connect to the Internet directly, or through a network?** Page. If you're not sure, accept the default selection, and click **Next**



19. If you use dial-up Internet access, or if Windows XP cannot connect to the Internet, you can connect to [the Internet](#) after setup is complete. On the **How will this computer connect to the Internet?** Page, click **Skip**.



20. Windows XP Setup displays the **Ready to activate Windows?** Page. If you are connected to the Internet, click **Yes**, and then click **Next**. If you are not yet connected to the Internet, click **No**, click **Next**, and then skip to step 24. After setup is complete, Windows XP will automatically remind you to activate and register your copy of Windows XP



21. On the **Ready to register with Microsoft?** Page, click **Yes**, and then click **Next**.



22. On the **collecting registration information page**, complete the form. Then, click Next.

Microsoft Windows XP

## Collecting Registration Information

To move to the next box, press TAB on your keyboard.

First name: Tony

Last name: Allen

Address: 1 Pine Street

City: Anywhere

State/Province: TX

Postal or ZIP code: 76753

Country/Region: United States

E-mail address: tony.allen@contoso.com

☐ Send me promotions and offers from Microsoft.

☐ Send me promotions and offers from Microsoft's partners.

For help, click here or press F1.

Back Next

23. On the **Who will use this computer?** page, type the name of each person who will use the computer. You can use first names only, nicknames, or full names. Then click **Next**. To add users after setup is complete or to specify a password to keep your account private, read Create and customize user accounts.

Microsoft Windows XP

## Who will use this computer?

Type the name of each person who will use this computer. Windows will create a separate user account for each person so you can personalize the way you want Windows to organize and display information, protect your files and computer settings, and customize the desktop.

Your name: Adrian

2nd User: Andrew

3rd User: Kristen

4th User: Joseph

5th User:

These names will appear on the Welcome screen in alphabetical order. When you start Windows, simply click your name on the Welcome screen to begin. If you want to set passwords and limit permissions for each user, or add more user accounts after you finish setting up Windows, just click **Control Panel** on the Start menu, and then click **User Accounts**.

For help, click here or press F1.

Back Next

24. On the **Thank you! Page**, click **Finish**.



Congratulations! Windows XP setup is complete.

**TEST DATA:** No Test data for this Experiment

**ERROR:** No Errors for this Experiment

**RESULT:** Installation of Windows XP is completed.

**(B) AIM:** To install Linux in system

**Software Requirement:** Linux Compact Discs

**Hardware Requirement:** Personal computer

## **PROCEDURE:**

### **1. Language Selection**

- ☐ Using your mouse select the language you would prefer to use for the installation

- ☐ Click next to continue.

### **2. Key Board Configuration:**

- ☐ Using your mouse select the correct layout type for the keyboard you would prefer to use for the installation and as the system default.

- ☐ Once you have made the selection click next to continue.

### **3. Mouse Configuration:**

- ☐ If you have a PS/2, USB or Bus mouse you do not need to pick a port and device. If you have a serial mouse, you should choose the correct port and device that your serial mouse is on.
- ☐ The Emulate 3 buttons checkbox allows you to use a two-button mouse as if it had three buttons. If you select this check box you can emulate a third —middle button by pressing both mouse buttons simultaneously.

### **4. Installation Type:**




- ☐ Choose the type of installation you would like to perform.
- ☐ Your options are **Personal desktop, Workstation, Server, Custom and upgrade**

### **5. Disk partition Setup:**

- ☐ You can chose automatic partitioning or manual partitioning using **Disk Druid** of **fdisk**.

- ☐ Automatic partitioning allows you to perform an installation without having to partition your drives yourself.
- ☐ Automatic partitioning allows you to have some control concerning what data is removed from your system.

☐ Your options are:

-  Remove all Linux partitions on this system.
-  Remove all partitions on this system
-  Keep all partitions and use existing free space.

- ☐ To partition manually choose either Disk druid or fdisk partitioning tool.
- ☐ Click next once you have made your selections.

## 6. Partitioning your system:

- ☐ If you chose automatic partitioning and did not select **Review** skip ahead
- ☐ If you choose automatic partitioning and selected **review** you can either accept the current partition settings (click next) or modify the setup using **Disk Druid**, the manual partition tool.
  - ☐ If you choose manual partition with disk skip ahead.
- At this point you must tell the installation program where to install Linux. This is done by defining mount points for one or more disk partitions in which Linux will be installed.

## 7. Adding Partitions:

To add a new partition select **new** button, a dialogue box appears. Select the options and click **ok**

## 8. Boot Loader Configuration:

Boot loader is the first software program that runs when a computer starts. The installation program provides two boot loaders **GRUB (GR and Unified Boot Loader)** which is the default and **LILO**



If you do not want GRUB as your boot loader click Change Boot Loader.

☐

☐

You can then choose to install LILO or choose not to install boot loader at all by clicking **Do not install boot loader** on the **change boot loader** button.

Network devices are automatically detected and displayed in **Network Devices** list, Select a network device and click **Edit**

Here you can configure IP address and net mask of the device.

#### 9. Firewall configuration:

☐ Offers firewall protection for enhanced protection.

☐ A properly configured firewall can greatly increase the security of the system.

#### 10. Time zone configuration:

You can set your time zone by selecting your computers physical location or by specifying your time zones offset from Universal Time.

#### 11. Account Configuration:

☐ Allows to set Root password or user accounts

☐ Root count is similar to the administrator password that you set up in Win NT.

☐ Click **add** button to add a new non-rot user.

☐ Enter the details and click **OK**.

#### 12. Packing group selection:

You can select package groups which groups components together or individual packages or a combination of the two.

**TEST DATA:** No Test data for this Experiment

**ERROR:** No Errors for this Experiment

**RESULT:** Installing the OS of Linux is completed

**Viva O & A:**

- 1) Give the advantages of Linux over other OS?
  - 2) Who wrote Linux?
  - 3) What are the Flavors of Linux?
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