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Subject: Unix Lab

Exp 1 b

Experiment -1B: Installation of UNIX Operating System (Ubuntu OS)

- 1. Aim: To install Ubuntu Operating System.
- 2. **Objectives:** After study of this experiment, the student will be able to
 - Understand installation process of Ubuntu OS.
 - Install Ubuntu operating system.
- 3. **Outcomes:** After study of this experiment, the student will be able to
 - Install Ubuntu OS in a single boot or dual boot mode alongside Windows OS. (L402.4)
- 4. **Prerequisite:** Introduction to Ubuntu operating system.
- 5. **Requirements**: Personal Computer, Ubuntu Operating System set-up, Internet Connection.

6. Pre-Experiment Exercise:

Brief Theory:

UNIX Operating System

UNIX is an operating system developed at AT&T Bell Laboratories and released in 1973. It is a portable, multitasking, multiuser and time-sharing operating system. UNIX operating systems are widely used in PCs, servers and mobile devices. The UNIX environment was also an essential element in the development of the Internet and networking.

Ubuntu OS

The environment in which the agent acts is called as its task environment. The agent's properties can be grouped under PEAS (Performance, Environment, Actuators, Sensors) representation model. PEAS is a type of model on which an AI agent works upon.

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7. Laboratory Exercise

A. Procedure:

STEP1: Boot from USB Stick or CD.

Insert the DVD or USB stick on the system and then reboot the machine. Change the boot sequence on BIOS/UEFI to boot a system from DVD/USB by pressing F2, F10 or F12 keys (read the vendor manual for more information).

STEP2: Preparing to Install Ubuntu 20.04

LTS UEFI System

Once the system boots up from DVD/USB drive, the grub boot screen should appear on your machine. Select Ubuntu from the menu and then press Enter.



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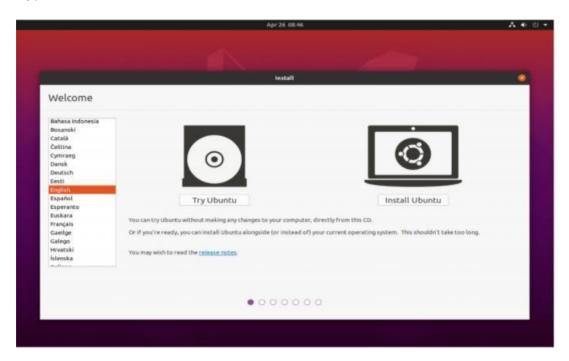
Press Ctrl+C to cancel all filesystem checks.



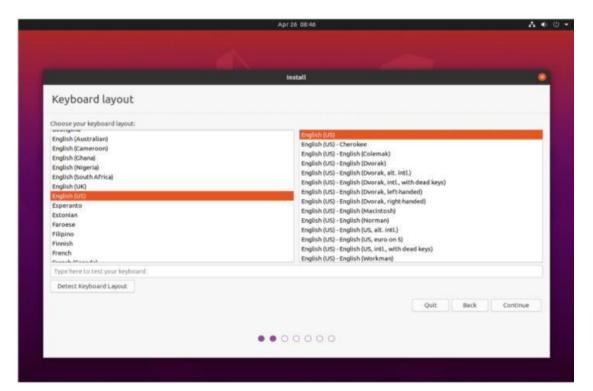
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Exp 1 b STEP3:



STEP4: Choose the Keyboard layout as 'English (US)' and then click Continue to proceed further.

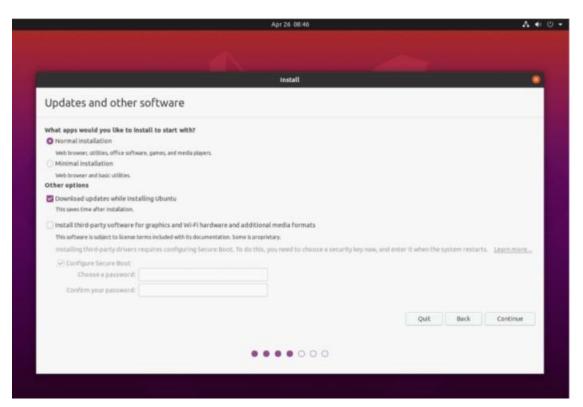


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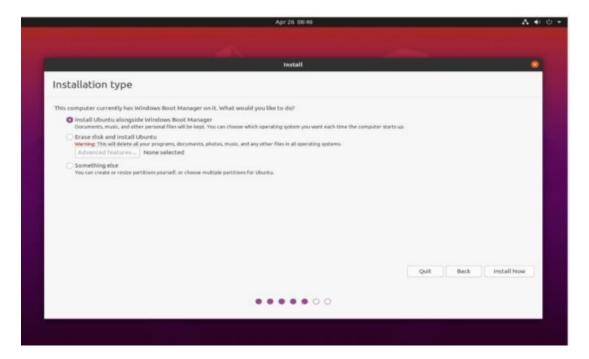
STEP5: Normal/Minimal Installation On this screen, you need to select the apps for installation. Select Normal Installation. Tick 'Download updates while installing Ubuntu'. Click Continue.



STEP6: Installation Type

Disk Partitioning (Automatic Partitioning)

Select Install Ubuntu alongside Windows Boot Manager. Click Install Now.

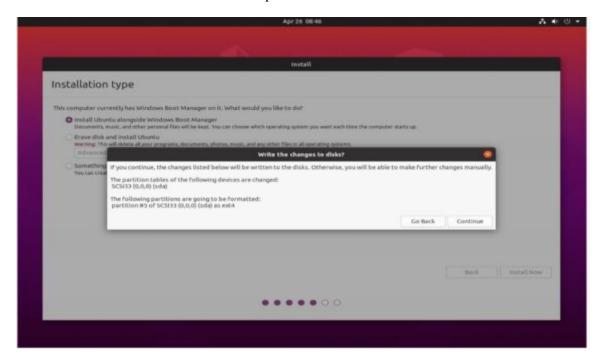


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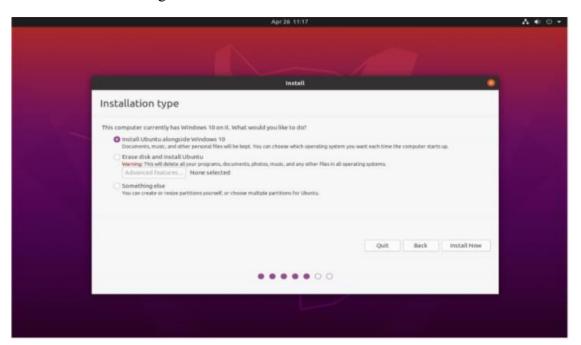
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Click Continue to confirm the automatic partition creation.



Click Install Ubuntu Alongside Windows 10. Click Install Now.



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STEP7: Setting up Time Zone

Select Location from the map as 'Kolkata'. Click Continue.



STEP8: User creation

Fill the user creation form to create a user account (administrative account (sudo)) for your system. Click Continue.

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STEP9: Ubuntu 20.04 – Installation Ubuntu installation will start now. The installation will take 20-30 minutes. You will see the following screens.



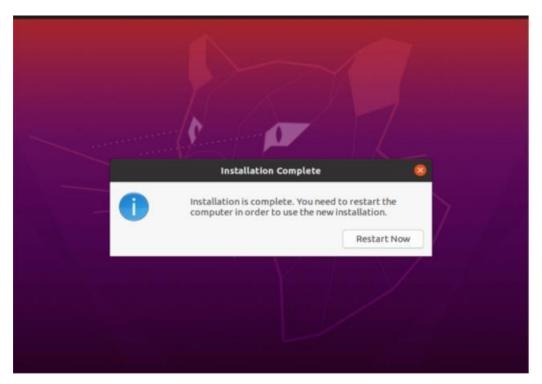
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STEP10: Installation Complete



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STEP 11: Removing the installation drive.

Remove the bootable pendrive immediately after the computer is shut down. Wait for the computer to restart.

STEP 12: Booting into Ubuntu 20.04

After restarting the computer, the GRUB loader will appear. It will ask you to select the operating system which you want to load. Select Ubuntu with the help of arrow keys. Press Enter.



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STEP 13: Logging in Log in with your credentials to get the desktop screen.



STEP 14: Post Installation

On successful login, you will get the welcome to Ubuntu wizard that would ask you to do a post-installation setup.

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8. Post-Experiments Exercise

A. Extended Theory: Nil.

B. Questions:

1. How to create partitions in Ubuntu while installing?

Ans:

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	Robeth Dale ITA 19
	191027 Exp 1 b Union lab
8.	Post Exporment Exercise
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A.	Extended Theory:
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	Stop 4: Modify the fetal fill Before modifyly out tetal The we should create a backup copy that we can sestore just in case. Sudo Ap! etc/ fetals/etc / tetals. backup
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C. Conclusion:

- 1. Write what was performed in the experiment.
- 2. Mention a few applications of what was studied.
- 3. Write the significance of the topic studied in the experiment.

Ans:

103/25/8	Parth Dali ITA 19
	191027 Emp15 Unix lab 3
C.	Condusion
I.	white down what was partormed on the experiment. In this experiment we served to install whenthe software onto one system. We rould discover the various steps
	Involved in installing it.
2. Ans	Mention few applications of what was studied Uburtu operating system is very good with everyday
	computing tasks. One can explore which as along with windows, As it is very much used friendly and works as a thrivering linux dosktop software which matches
	terms of features.
Ans.	weste the significance of the topic studied in examet. The desktop version of which supports all normal software like windows such as forefore, charme, VI cote. It supports the office suite called libro office. Whintu
1	It supports the office suite valled libro office. Ubuntu has enbuilt enail software valled thurserbird, which gives the user access to email such as exchange, small, hotmallete.

D. References:

- 1. https://www.geeksforgeeks.org/introduction-to-unix-system/.
- 2. https://tutorials.ubuntu.com/tutorial/tutorial-install-ubuntu-desktop#