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Title: Linux Operating System of Installation of Linux

OI. Define Operating System? State purpose of 052 Give 5 examples:

An Operating System (OS) is a resource allocator that manager all resources t decides between conflicting requests for efficient t fair resource use. It is also a control program that controls the execution of problems to prevent errors t improper use of the computer.

The purpose of OS is:

* Menoy management

* Processon management

* Device management

* file maragement

* Security

& Network management

* Control over system performance

* Ever detecting aids

* Job accounting

* Co-ordination between other softwares & users.

Examples:

Microsoft Windows: Widely used OS for competent aptops

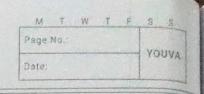
MAC OS: OS for Apple's Mac computers

1 LINUX: open-source OS used in servers, desktops, etc

(4) Android: Linux based OS for smartphenes & tablets (5) 105: 05 for Applio mobile iphones of iPads.

	Date:
0,2.	Which version of Linux is installed in Lab.
$\stackrel{f}{\longleftrightarrow}$	Which version of Linux is installed in Lab. "24.04.1 LTS (Noble Number)"
93.	Give the configuration of computer in which linex is installed.
	linux is installed.
->	
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04.	What is minimum configuration need for LinuxOS
→	The minimum configuration deponds on:
	For Uburtu:
	-> CPU: 2GHz dual-core processor
	→ CPU: 2GHz dual - come processon → RAM: AGB
	→ Storage: 25GB
	-> Graphies: VGA capable of 1024 × 768 screen resolution.
	resolution
Q5.	hist different lamilier of LINUX AS
->	hist different families of LINUX OS
	1. Debrai - based: Ukurtu, Linex Mirt, Kalitinex
	2. Red Hat - based Fedora, Cent OS, RHEL
	3. Arch - based: Arch Linux, Marjaro
	4. Slackware-based: Slackware, Salix
	· · · · · · · · · · · · · · · · · · ·
	5. Independent: openSUSE, Solus.
Ø6.	10/1
1	What is Distro? Crive example.
	A Linux distribution (distro) is a complete
	Operating system made from a Linux kernel
	and software packages. It includes a package
	manager, utilities, and application tailored
	to the needs of weeks.
	Example: 12hint Today And Linux
	trample: Ubienter, Fedora, Arch Linux.



OT Who Invented Linux 4 in which year?

Dinux was invented by Linus Torralds in 1991.

Deurce + Cost lines is open - source and free,
while Unix is mostly proprietary + requires
a paid license.

Desage of Compatibility: Linux sest runs on various hardware platforms of is widely used in personal of enterprise systems, whereas Unix is mainly used in high-end survers of specific hardware

(3) Customization of Support: Linux allows extensive customization with strong community support, while Unix is more standardized + relies on vendor support.

09. Stale main différence between Windows, MAR & LINUX:

Window MAC LINUX Source assed-source Closed-source Open-some Paid mostly free Hpply-only Customization Limited Minimal highly customizable More Mighly secure security 4 More secure than Windows Stability Stable to malware

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	Date:
010.	What is shell in himmer? hist different types of
	Shell with there prompt.
->	A shell in Linux is a command-line interface
	A shell in Linux is a command-line interface that allows were to interact with the operating
	system by executing commands.
	Different types:
	1) Bash (Bourne Again Shell): \$
	@ Zsh (Zshell); 1.
	3 Keh (Korn Shell): \$
	(4) Tush (TENEX (Shell): %.
	@ Fish (Friendly Interactive Shell):>
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