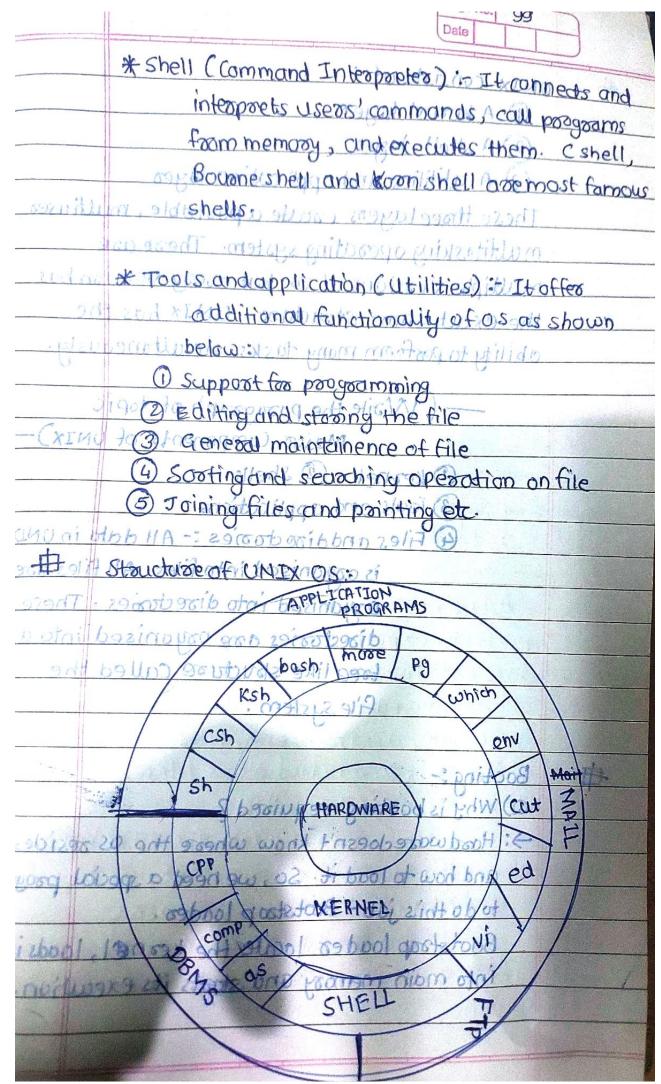
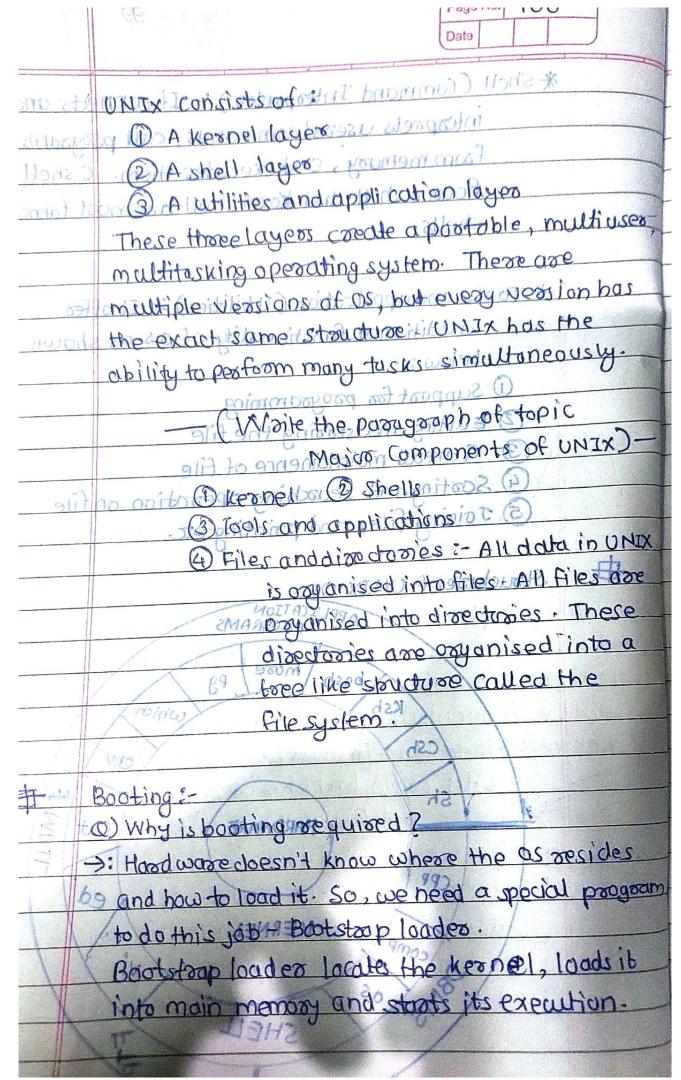
8) UNIX: A case Study

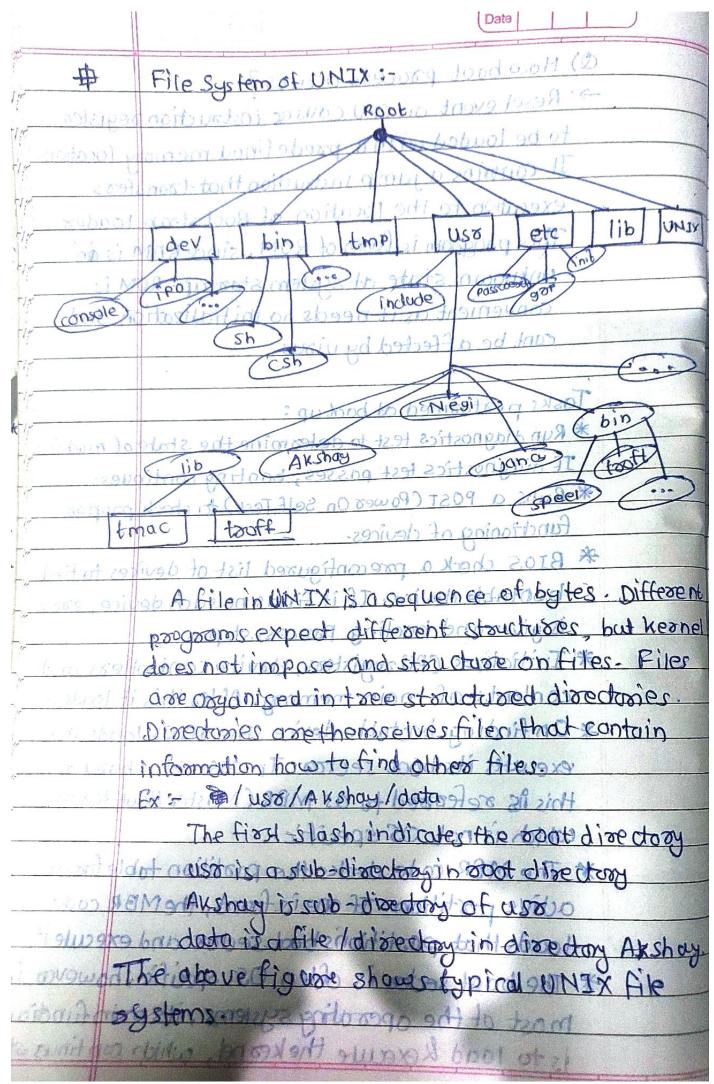
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	Date			
-	Introduction and overview of UNIX 1340			
[1]	White WNIX is ope of the powerful operating system			
VV 20002 by	UNIX was papular barrens of the offician of			
Dandle the compliant because of its efficiency to				
	handle the complicated tasks of machine bardware			
in the	and software, UNIX was created using C Language			
1	Beginndicated by its segment is indice			
1 10.01	MANUSCOLUNIX:- 492-40 MIN RODMING			
1 Dames	Manusers book Portability 209 (8)			
17 1000	Multiotasking Communication			
17-	* Programming Facility Proment to well			
e faster y	(3) Page fames are the The lytoms &			
* Extensive Tool kibs System calls, Libraries and				
1/-	enhanced GUI pripps			
Distributed processing capabilities nipol 3				
- Anomala	Complicated than solutively early him			
Major components of UNIX: -withthe mpas				
* Kernel: It schedules tasks and manages				
storage and resources. It is loaded when				
4	the system is booted. Following are its			
main functions:				
1) Allocating memory to different processes				
2 CPU Job scheduling				
	3 Managing the shell and allowing the			
programment to write and				
A file permission and security				
3 Device and arread				
3 Device and process management.				





Cons L				
a) How boot process occurs? He soll of				
->: Reset event on CPU causes instruction register				
to be loaded with a predefined memory location				
It contains a jump instruction that transfers				
execution to the location of Bootstoop loader.				
This program is form of ROM, since RAM is in				
unknown state at system startup-ROM is				
convenient as it needs no initialization and				
cant be affected by vixus.				
Tasks performed at bootup:				
* Run diagnostics test to determine the state of machine				
If diagnostics test passes, booting continues.				
Function of clarifors Those some some				
randioning at devices.				
# BIOS check a preconfigured list of devices to find				
* Initializes CPU registers, device controllers and				
contents of main memory After this it loads Os.				
* On finding bootable device, the BIOs loads and				
executes its boot sector In case of a hood drive,				
this is referred to as MBR (Master Boot Record)				
sobject to which as not our specific to it of				
* The MBR code checked the postition toble for an				
active partition of one is found, the MBR code				
1 and that partitions boot serter and execute it.				
* The book sector is often Os specific however in				
1 11 a postating systems all strain to voice)				
is to load & exercise the keep nel, which continue stood				
4				
is to load kexecute the keenel, which continue study				



	Companison of UNIX and	(TNUX:
	XEMU	LINOX
	It provides GUI called	It provides common GUI
	Common Desktop Envisonment	like KDE and Gnome
(2)	It can be distributed through	Tt 12 tabeld (1219) proce
	different vendor with	through books, magzines
	same cost.	and other sources without
		any cast.
(3) It is not open source	It is open source
(4		Security is more as
	to LINUX	comproped to UNIX.
E) Mainly used in universities,	used as stand-alone
	colleges and vanious	machine to big business
	organisations	networks
<u></u>	File System Support:	File System Support:
	jfs, gpfs, hfs, hfs+;	Ext2, Ext3, Ext4, Jfs,
	Ufs, xfs format	Reiseofs, Xfs, Btofs,
		FAT, FAT32, NTFS.
7	Ex:-Solosis, BSD, otc.	Ex1-Ubunting, Red How etc
1		