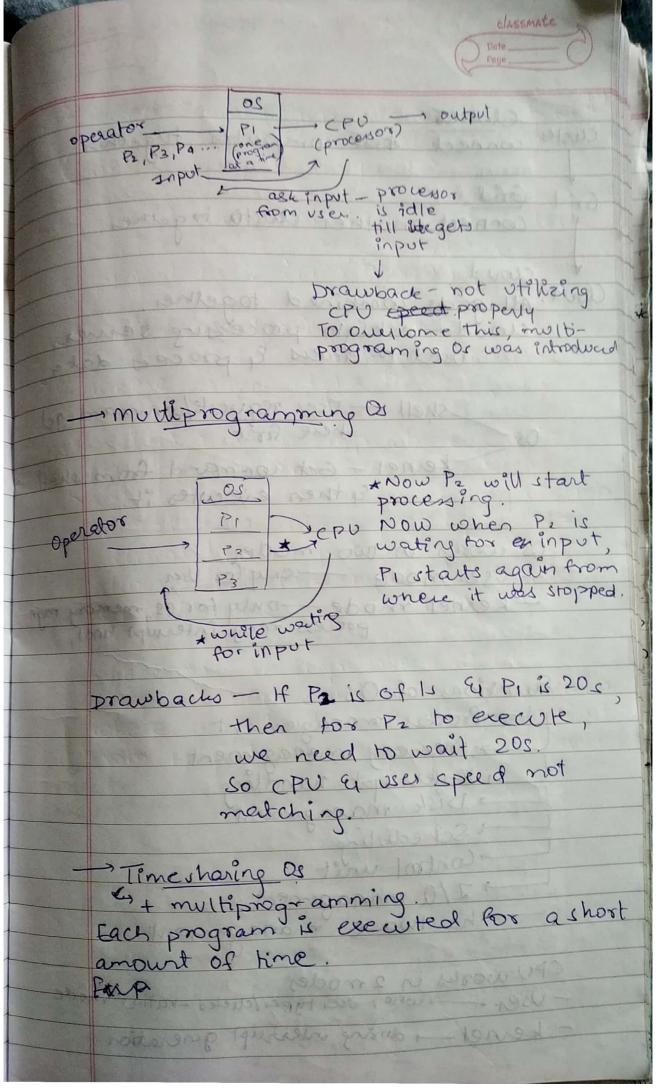
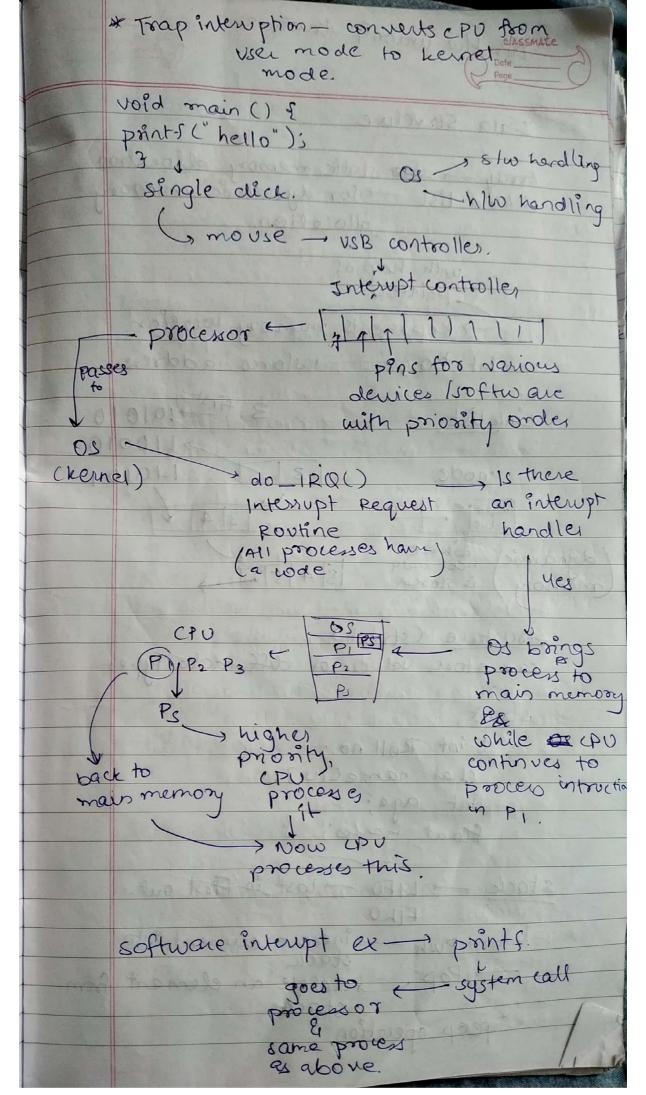
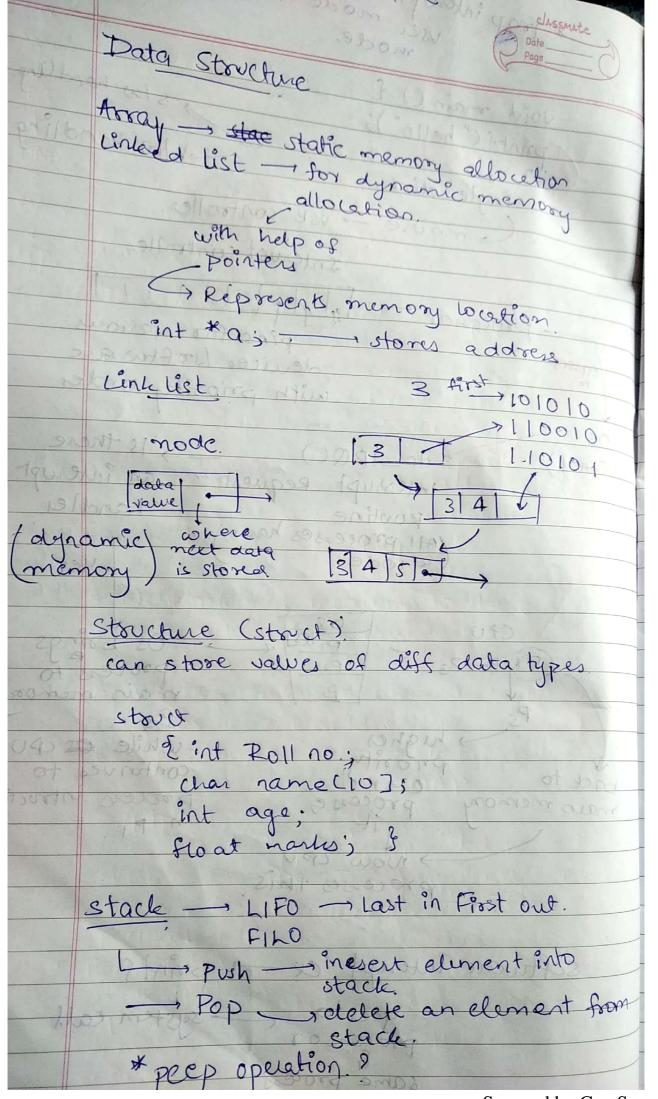
* CPU never deals with sewndary memory Operating System Booting (Bootstraping) that init () is called Ustored in ROM Activates hardware - memory, CFV, I/D module load Os into main memory (RAM)
Then passed on to CPU for executing. CPU executes Os. Desktop is seen. Before Os an ellas >Switch to provide 0 & 1 as input >Punch card - input - normal as 0 nole as 1 de routput - and reader Based on light, calculate 15 & reed into. Then passed to printer to print Group puncheards on basis à calculation & printing. Batch operating system 1 1st Or Bunch punch cards together based on requirement - batches Batches were put in cardreader, processed & give output. Drawbacks - time consuming - Not user friendly United memory capacity Single - month rogramming Os Os module was created which was stored in memory

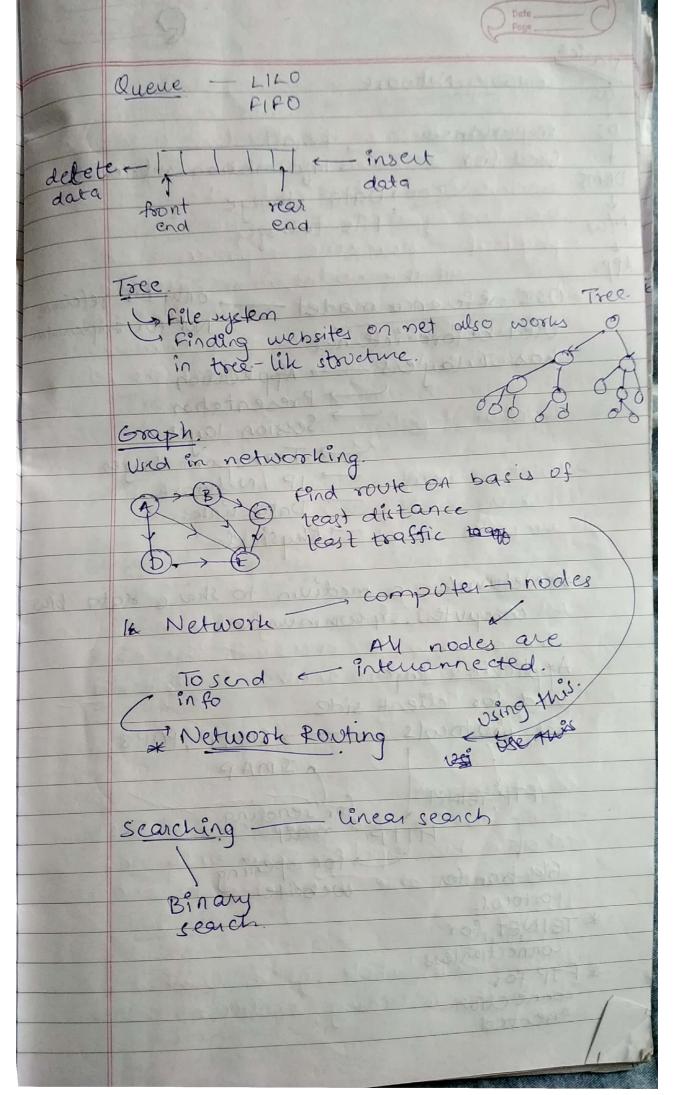


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classmate Cluster cluster connect apart computes together Grid Grid connect another cluste to gether. cloud. Cloud. All grids combined together coud - high processing servers used to access & process data shell — User requests/command get 05 kernel - Get command from shell Extren executes it. Os works in two modes - User mode - only for user - Kernel mode - only for os, memory mgn process mng, interupt had, Functions of OS - Process management -> memory management - Interrupt handling - Disk management - Scheduling - Control unit - 1/0 management hardware management. CPU works in 2 modes - User - when user types/clicks-initial mode kernel - during interrupt generation







Computer Network Shaportance ; Email Used for _____, Information retrieval DS DAMS Data storage File transfer. 1 N/w APP. OSI reference model Used before internet. has 7 layers - Application

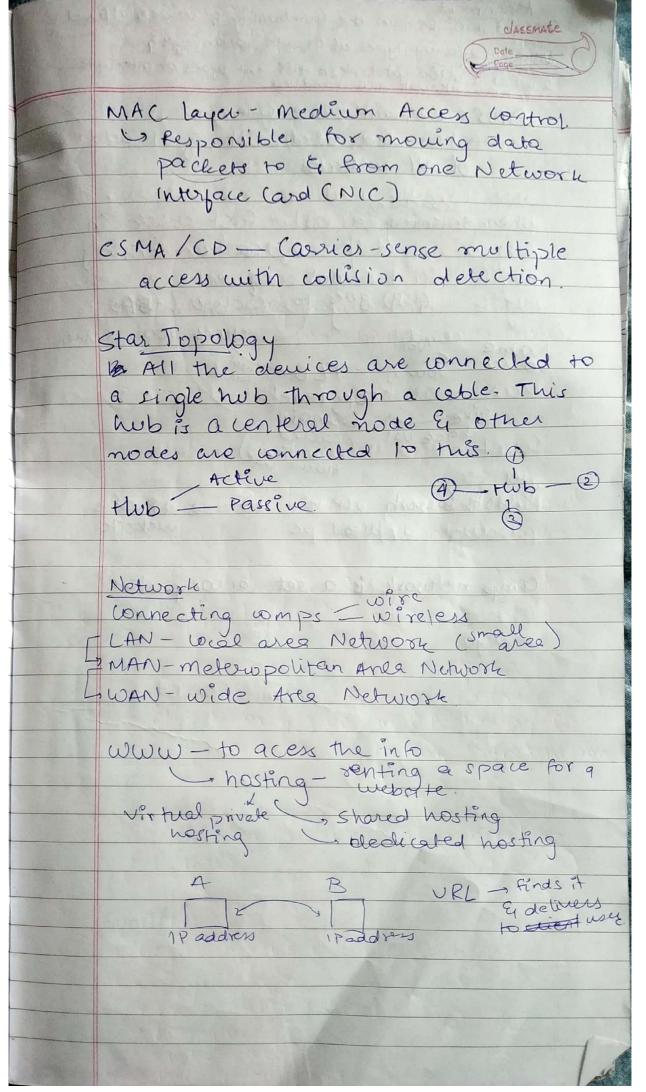
Presentation

Session layer >> Transport layer 1P/Network 7 Date link - Physical * Network - a medium to share data blu computers & communicate Application layer. Used for client side. has protocols - SMTP, POP3 NIMAP HTTP mail FTP TEINET a for opening File transfer website. portocol. * TEINET For connectionless * FTP for connectionoriented

	Network 1
	mae che che ip address, network laliquitaries
	find out the no. of ways to completing
	sind out the no. of ways to completing task. Then find best distance distance distance
	Presentation layer.
	intereges toomat to make more compatable
	manages format to make more competable ex: 13 word 2010 file is compatable
MAY	with higher & lower versions
THE SERVICE	at a restrict of the same of the same
7 5	session rayer
1	will be the property of the pr
1	CX: Salvis a series -) British
	67: Session expired when not using
PID	a se posted for a long time.
	coins robuste & how bullon was
	describes how signals act on the
	Transport layer.
	To transfer using SMTP, we need
	vnique v
Geral	to I P address Also which route will
	r Port no be taken for transfer.
60	cooling togical
0	rerelized adoress A B
***	specific post for DSEA
norLe	Mi devices share single unmura
7	Pato link menon
2	mac address / hard ware address. Identify error & give final permission frontimetry. Physical - sealing data &
	Identify error & aire final permition has in
	Planting of John Continety
	Physical -> sends data for transmission
	Ex Advantages
ex	10P/SI por network model -
ect then	Trologo cobje is needed to conti
	1 CP/1P
TANK TO	In beginning mere were stayers
	App macos slover study states & man
	La presentaion + session Transport
	- Transport
	JP hetwork
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Classmate of been distante Topology Topology defines the structure q the network of how all the components are interconnected to each other. There are two types of topology:

physical - geometric representation of - logical - arrangement of devices on a comp network & how they communicale · describes how signals act on the network Types of topology - Point-to-point It has exactly two hosts such as computer, suitaines or vouters. Bus topology All devices share single communication line or able, it transmits the data from one end to another in sigle dir. Node 2 da Advantages - If N devices are connected to each other in bus topology, then only one backbone cable is needed to connect the - Less cost. Problems. - If cable faili, whole system crashes.
- If traffic is heavy, collisions is the network



DNS - Domain name system s-Domain

nas dedicated list & IP address when entering a UNI - first check in preache memory

If not, request

(ISP) goes to resolver (480) Not o Top level give sol (saved here for future use 1375A er 75 UTI found IP of website Coul pc comp network is a set a computer