FILE OPERATIONS(CONT..)

□ From operational point of view, a user should be able to create a file We will considered him/her as owner of the file.

Usage	Editor-based operation	OS terminology and description		
Create	Under FILE menu NEW	A CREATE command is available with explicit read/write option		
Open	Under FILE menu OPEN	An OPEN command is available with explicit read write option		
Close	Under FILE menu CLOSE A file CLOSE option is av Also when you choose QUIT			
Read	Open to read	Specified at the time of open		
Write	Save to write	Specified at the time of open		
Rename or copy	Save as file name	Can copy using a copy command		
Cut and Paste Via a buffer		Uses desk top environment CDE		
Join files		Concatenation possible or uses an append at shell level		
Delete	Under FILE use delete	Use remove or delete command		
Relocate		A move command is available		
Alias		A symbolic link is possible		
List files	OPEN offers selection	Use a list command in a shell		

Usage	Unix shell command	MS DOS command
Copy a file	ср	COPY
Rename a file	$\mathbf{m}\mathbf{v}$	RENAME
Delete a file	rm	DEL
List files	ls	DIR
Make a directory	mkdir	MKDIR
Change current directory	cd	CHDIR

FILEACCESSANDSECURITY

In Unix, owner of a file can change its permissions using chmodcommand which has a syntax as follows:

chmodpattern fileNameas in chmod644 myFile

e.g: 644 corresponds to the pattern rw-r--r--

664 corresponds to the patternrw-rw-r--

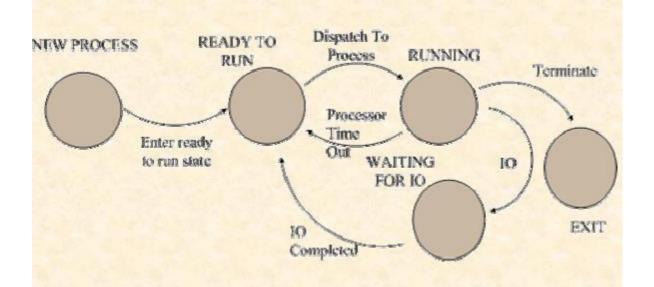
ls-l command displays the access permissions of a file.

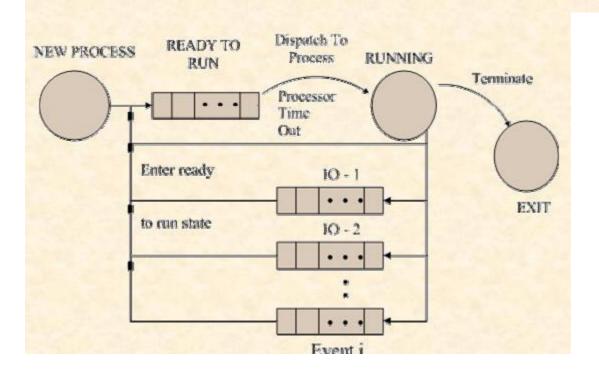
Unix internally recognizes 4 different file types (1)ordinary(2) directory(3) special and (4)named.

Inodestructure is used by Unix to maintain information about the named files.

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□ Data structures are used for process management.
□OS maintains a queue for all ready-to-run processes.
□OS may have separate queue for each of the likely events (including
completion of IO).





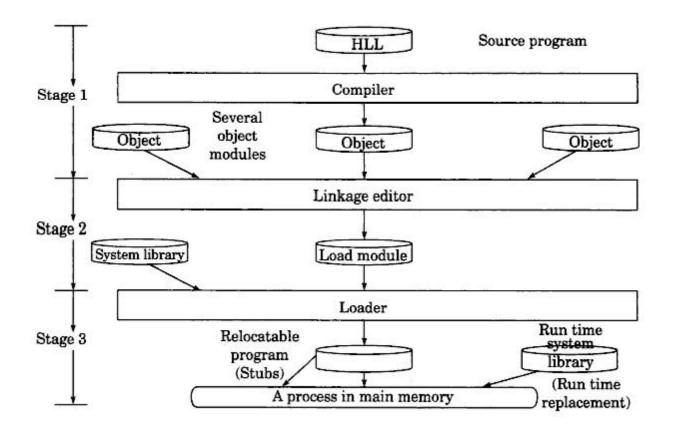
TYPESOFSCHEDULER □Short term scheduler(CPU scheduler) Selects from among the processes that are ready to execute, & allocates the CPU to one of them. □Long term scheduler(job scheduler) Selects processes from pool which are spooled to mass storage device & loads them in memory for execution. □Medium term scheduler

Reduces process from memory & then re-introduce memory with continuing

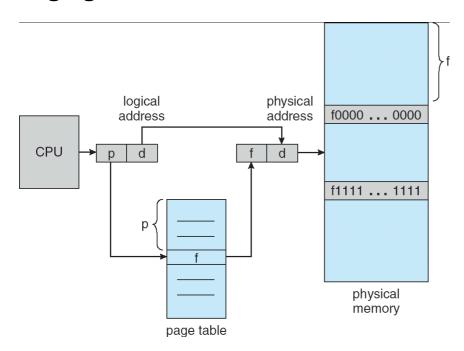
Response Time
Premptive
Non Premptive Scheduling
Context Switching
Relocation Register
Fifo Page replacement
Page Fault

Segmentation

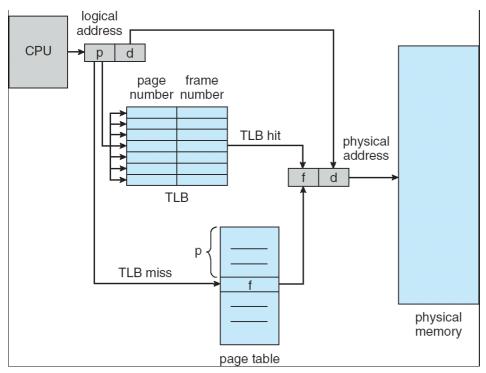
its execution where it was left by technique of swapping.

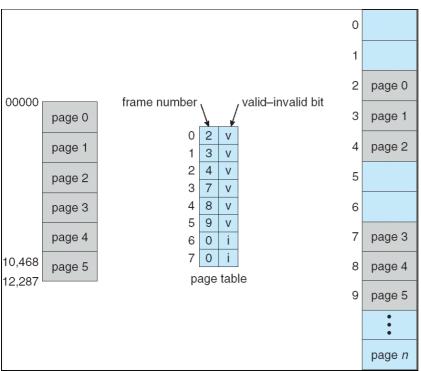


Paging



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Page Fault

