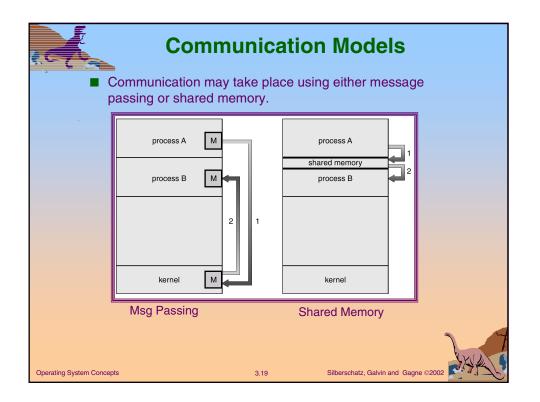
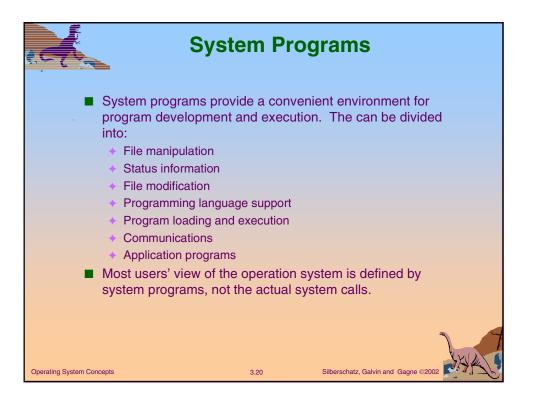
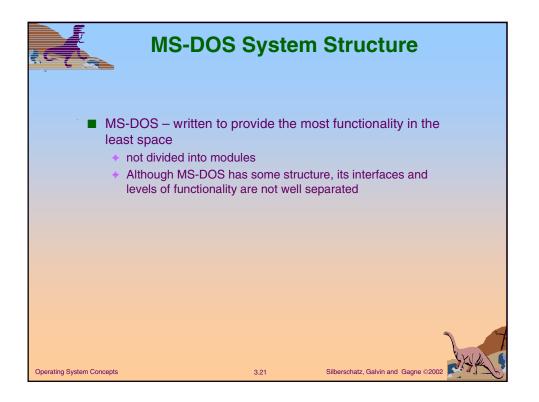


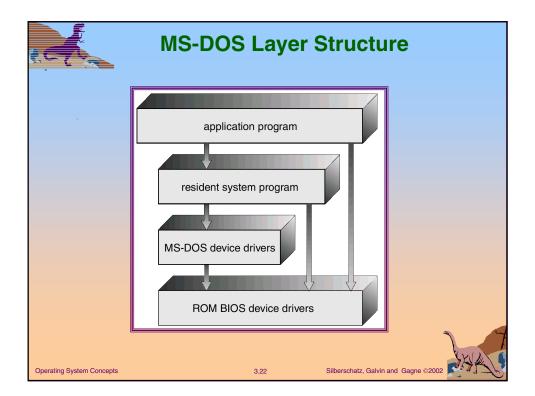
	MS-DOS Execution				
			free memory		
	free memory		process		
	command interpreter kernel		command interpreter kernel		
	(a)		(b)		
	At System Start-up)	Running a Program		
Operating System Concepts		3.17	Silberschatz, Galvin and Ga	gne ©2002	

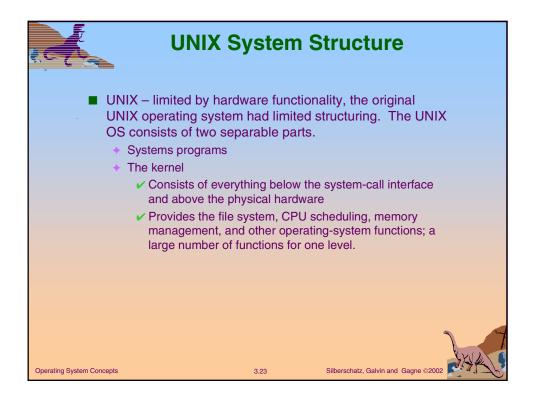
UNIX Running Multiple Programs							
	process D						
	free memory						
	process C						
	interpreter						
	process B						
	kernel	4					
Operating System Concepts	3.18 Silberschatz, Galvin and Gagne ©2002						



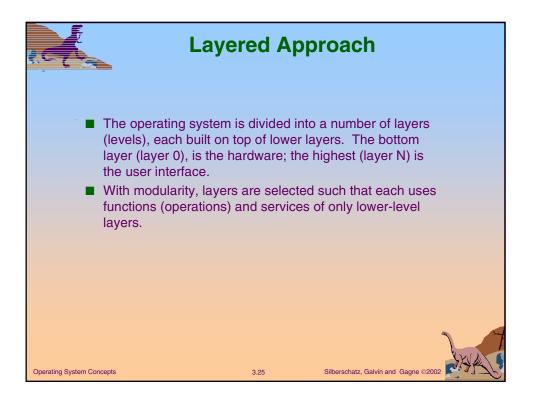


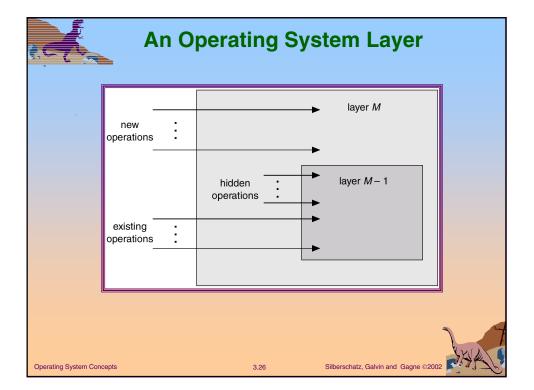






	UNIX	X System S	Structure	-
		(the users)		
	sys	stem-call interface to the ke	ernel	
	signals terminal handling character I/O system terminal drivers	file system swapping block I/O system disk and tape drivers	CPU scheduling page replacement demand paging virtual memory	
	kernel interface to the hardware			
	terminal controllers terminals	device controllers disks and tapes	memory controllers physical memory	
Operating System Conc		3.24	Silberschatz, Galvin and G	





	OS/2 Layer Structure					
	application application application					
	application - programming interface API extension subsystem subsystem					
	system kernel • memory management • task dispatching • device management					
	device driver device driver device driver	2 4				
Operating System Concep	ts 3.27 Silberschatz, Galvin and Gagn	e ©2002				

