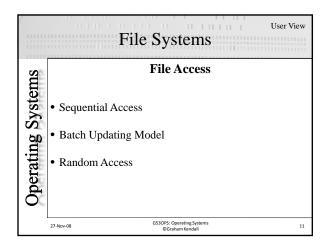
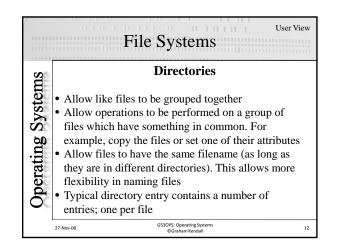


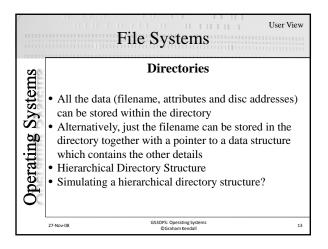
	File S	Systems	View
S	Common File Extensions		
ystems	Extension	File Contents	
ste	BIN	Binary File	
N	С	C Program File	
\mathbf{v}	CPP	C++ Program File	
50	DLL	Dynamic Link Library	
1.8	DOC	Microsoft Word file	
al	EXE	Executable File	
perating	HLP	Help File	
P -	TXT	Text File	
	XLS	Microsoft Excel File	
27-Nov-08	G	53OPS: Operating Systems ©Graham Kendall	8

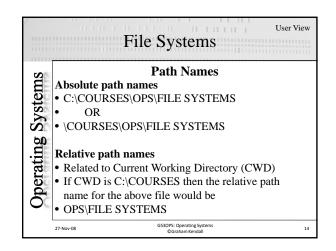
0000000	User View File Systems					
	Each file has a seTypical attribute	File Attributes et of attributes associated with it s:				
	Attribute	Description				
	Archive Flag	Bit Field : has the file been archived?				
	Creation Date/Time	Date and Time file was created				
	Creator	User ID of the person creating the file				
50	Hidden Flag	Bit Field : Is the file a hidden file?				
perating	Last Accessed Date/Time	Date and Time file was last accessed				
·=	Owner	The ID of the current owner				
5	Password	Password required to access the file				
H I	Protection	Access rights to the file				
O I	Read-Only	Bit Field : Ids the file read only?				
D I	Size in Bytes	How large is the file				
$\hat{\mathbf{O}}$	System Flag	Bit Field : Is the file a system file?				
	Temporary Flag	Bit Field : Should the file be deleted at end of the				
		process?				
	27-Nov-08	G53OP5: Operating Systems ©Graham Kendall	9			

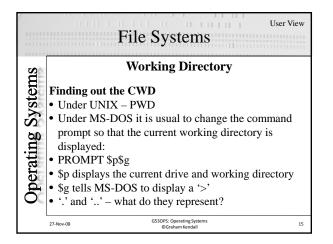
	User V	iew
sms	File Structure	
seque • Fiz • Va	the file as a sequence of bytes. It is up to the am that accesses the file to interpret the byte nce ked length records riable length records dexed Files	
27-Nov-08	G530PS: Operating Systems @Graham Kendall	10

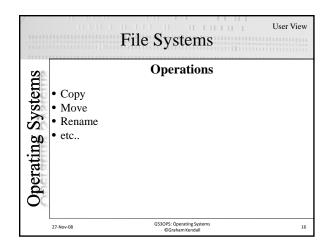


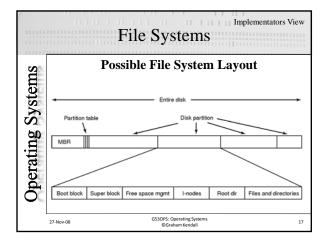


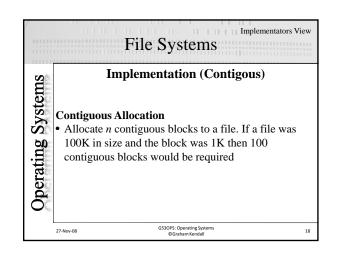


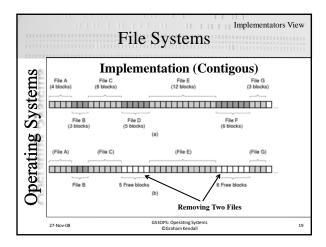


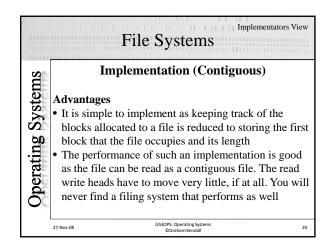


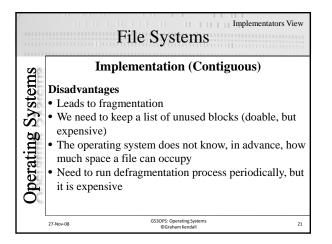


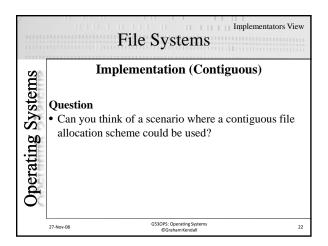


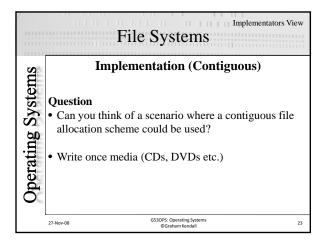


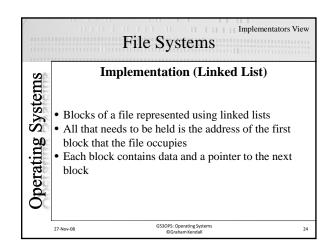


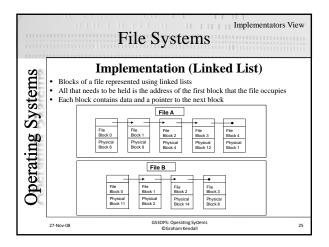


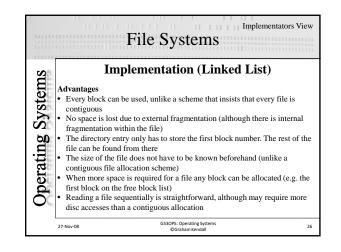


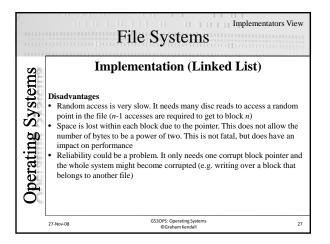


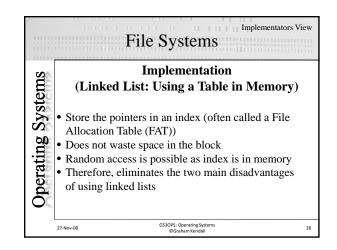


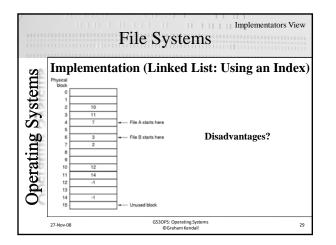


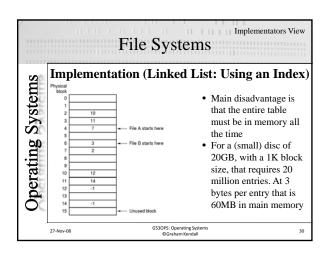


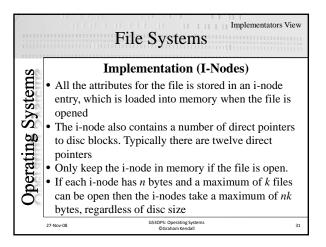


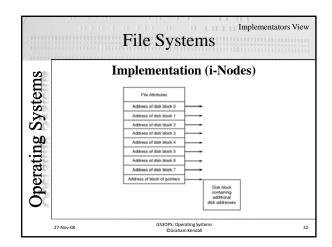


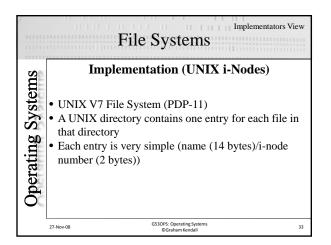


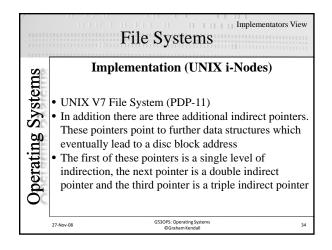


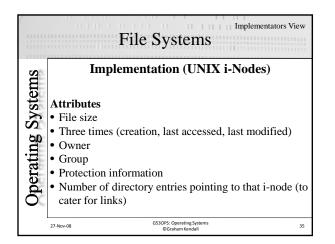


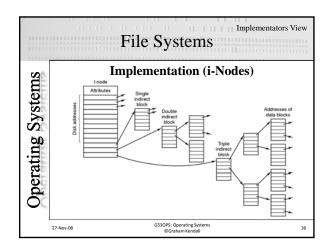


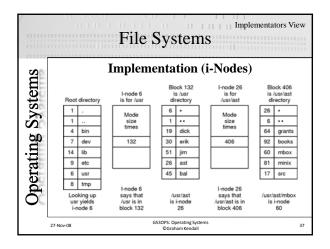


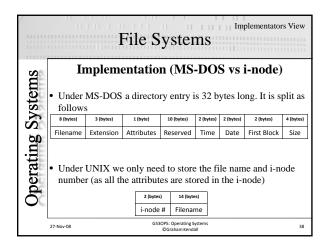


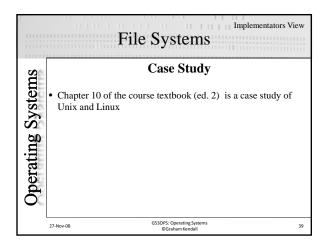


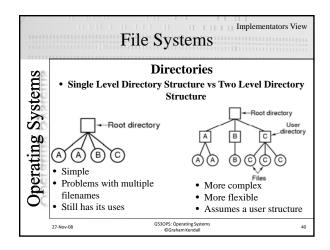


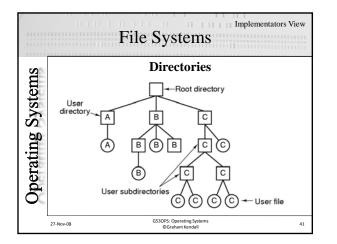


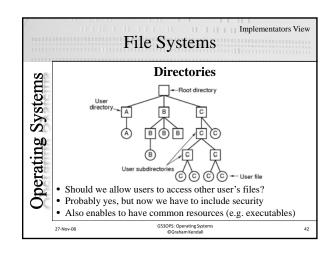


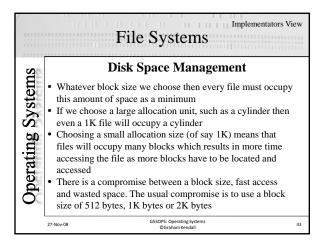


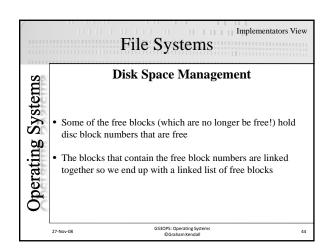


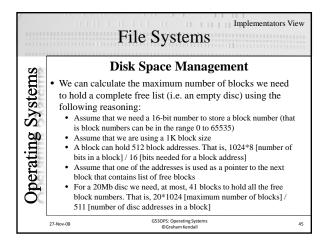


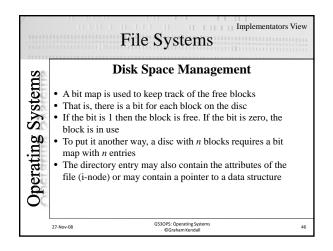


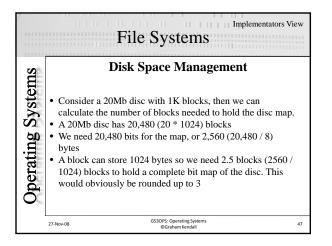


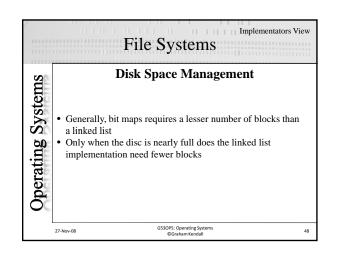












0000000	Implementators Vie File Systems	ew
S	Disk Space Management	
ig Systems	 Advantage of Linked List Over Bit Map When only a small amount of memory can be given over to keeping track of free blocks Assume, the operating system can only allow one block to be held in memory and that the disc is nearly full Using a bit map scheme, there is a good chance that the free 	
Operating	 block list will indicate that every block is being used This means a disc access must be done in order to get the next part of the bit map With a linked list scheme, once a block containing pointers of free blocks has been brought into memory then we will be able to allocate 511 blocks before doing another disc access 	
	27-Nov-08 G530PS: Operating Systems ©Graham Kendali	49