47 YASH SARANG OS ASSIGNMENT 3. DEAD gr. file Scress Methods. O Sequential Access: Procused in order one & rewid of after another
This is the most common access method by
for the files. For eq. editor & compiler usually
access the file in the fashion.

Read & write make up bulk of operation
on a file. Data is accessed one record right after
another record in an order. When we write a command it will allocate memory le more the pointer to the end of the kile 2 Direct Xccess It is also known as relative access method A filled-length logical record that allows the program to read be write records rapidly. In no particular order. It is based on disk model of a file since disk model of a file since disk allows vandom access to any file block, it is viewed as a numbered sequence of block or record. 3 Index Segrential method. At is built on top of the sequential access method. It constructs an Endex for the file. The Endex is like an index of a book reduces the time required to access a file. Controls pointer using index. Sundaram

Pa	There are 3 typical file allocation.  (a) Linked allocation.  (b) Indexed allocation.	00	Δ.		
<u> </u>	There are 5 typical file allocation	meth	ods:		
	(1) Contiguos allocation?				
	a Indexed allocation.				
1	Contiguos allocation - Advantages - easy to Empler	rent.			
	Disadvantages - considered as a	n fo	m of	'	
	deprance memory allocation, external fragmentation	may	orun	8	
APPENDING	Contiguos allocation - Advantages - easy to implem Disadvantages - considered as a dynamic memory allocation, external fagmentation compaction may be needed.				
2)	Tinked outbraken - Norontages - no specified file Size.				
1	Linked allocation - Adantages - no specified file size.  Deadhantages - o sequential access efficiently be is not for direct access.				
	· each block contain	~ a po	inter (wa	des space	(ي
5)	Indered allocation - Advantages - multiple index blocks,	chains	ed to	linked l	isl.
	Disadvantages - Endexed block may	not .	be useo	<u>(                                     </u>	
	opointer overhead for "no	lexed	allocation	m is	
<b>m</b>	Disadvantager - Endexed block may opointer overhead for no greater than linked	allo	cation.		
J 3.		- , ,			_
	Ill prefer indexed allocation as it senores all the problems of contiguos				
	& linked list. Eg. it solves the problem of e	xtema	rogi	wintane	M.
	So if also provides direct access. Indexed allergional black (known as index black). For each file	e, on	individ	val	
The same of the sa	index block is created, it holds the disk	9nds	x blo	ck	T
		file	Start	end	
	We can see the eg.		2		
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daram	FOR EDUCATIONAL USE				
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