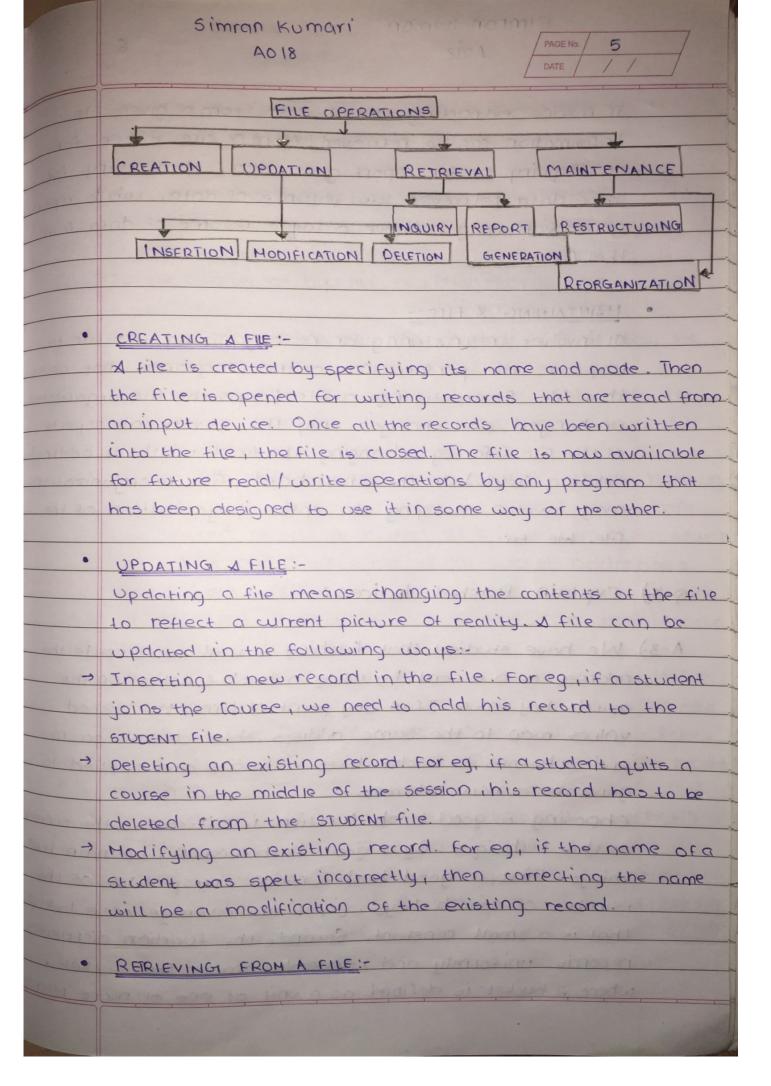
	Simran Kumari manus mang				
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	DATE / /				
	- INDEXED SEQUENTIAL FILE ORGANISATION -				
1	Record Number Address of the Record				
	1	765	Record		
	2	7 FS	Record		
	3	876	Record		
	stra not the strain	742	Record		
	5	NULL	011		
0.20	6	NULL	vishar a		
( here)	and The Tanner	NULL	01000		
	8	NOT	hott		
	9	NULL			
	-: ESBATHAVOA .				
bats 1.	· As, An indexed sequential file uses the concept of both				
ntas	sequential as well as relative files. While the index table				
	is read sequentially to find the address of the desired				
bac	record, a direct acress is made to the address of the				
	specified record in order to access it randomly.				
alanin j	· Indexed sequential files perform well in situations				
	where sequential access as well as random access is				
	made to the data. Indexed sequential files can be				
	stored only on devices that support random access, for				
amin o	example, magnetic	disks for example, t	ake an example		
39913	of a college where the details of students are stored				
-	in an indexed sequential file. This file can be ascessed				
	in two ways:				
	sequentially - to print the aggregate marks obtained				
,	by each student in a particular course or.				
	- Randomly - to modify the name of a particular student				
		INDEXED SEQUENTIAL F	ILE ORGANIZATION		
	FEATURES OF SE INDEXED SEQUENTIAL FILE ORGANIZATION				
	Provides fast data retrieval				
	Records are of fixed length				

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->	Index table stores the address of the records in the file.
<b>→</b>	The ith entry in the index table points to the ith record
bi	of the File.
	While the index table is read sequentially to find the
1957	address of the desired record, a direct access is many
18	to the address of the specified record in order to accord
	it randomly.
-	Indexed sequential files perform well is situations where
100	sequential access as well as random access is made to
uit-	the data.
	35014
•	ADVANTAGES:-
4107	The key improvement is that the indices are small and
oldo! s	can be searched quickly, allowing the data base to
bear.	access only the records it needs.
944 7	supports applications that require both batch and
	interactive processing.
	Records can be accessed sequentially as well as randomly
->	Updates the records in 8 the same file.
e de la constantina	100 2010 TOP TOP TO THE PART TO THE STORE
	DISADVATAGES:-
	Indexed sequential files can be stored only on disks
-	Needs extra space and overhead to store indices
	Handling these files is more complicated than
	handling sequential files.
7	Supports only fixed length records.
>	The second action of the set of the set of
9-2.)	What are the basic file operations
- A - O -	The custom of the second secon
A-2)	The basic operations that can be performed on a file
	are given in the below mentioned figure.
	Attends bould the street of th



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	(typically a disk block) correspondingly, the worst hash
1 (1)	function is one that maps all the keys to the same
Inn	However, the drawback of using hashed indices includes:
	Though the number of buckets is fixed, the number of
Thie	files may grow with time.
	If the number of buckets is too large, storage space
	is wasted.
3.	If the number of buckets is too small there may be
	too many callisions.
	It is recommended to set the number of buckets to
	twice the number of the search key values in the file
	This gives a good space-performance trade off. x
	hashed file organization uses hashed indices. Hashing
	is used to calculate the address of disk block where
	the desired record is stored. If k is the set of all search
	key values and B is the set of all bucket addresses,
	then a hash function H maps k to B we can perform
	the following operations in a hashed file organization
->	Insertion:-
	To insert a record that has ki as its search fite value,
	use the hash function h(Ki) to compute the address
	of the bucket for that record. If the bucket is free,
	store the record else use chaining to store the record
->	Search:-
	To search a record having the key value ki, use haki)
	to compute the address of the bucket where the
	record is stored. The bucket may contain one or
	several, records, so check for every record in the bucket
	(by comparing ki with the key of every record) to
	finally retrieve the desired record with the given
	key value.

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( ) ( )	Deleption:
	To delete a record with key value ki, use hokil to
	compute the address of the bucket where the recom
255 1501	is stored. The bucket may contain one or several
190 100	records so check for every record in the buck of
	( by comparing ki with the key of every record). The
23092	delete the record as we delete a node from a
	linear Linked List.
901 111	Note that in a hashed File organization, the secondary
	indices need to be organized using hashing.
	1 10 10 10 10 10 10 10 10 10 10 10 10 10
4 50	tal solov had dames out to tadmen out still
co.decl-l	Santal Assert Secretary - Sings Doop o 29 vip aids
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2 300	Taylor to touch the to the add at all hair with the
mrons	tings six a state copy of notice a dead o mail
90740310	DELLO SILS BONDE DE MANDE DE LOS DE LA SELECTION DE LA SELECTI
_	- Theeryon -
- solron	To insert a record that has hi as its search set
eensh	a off attigation of Cand Walliam don't age out
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(60) 300 x/	store the very elective chaining to exercise
	do to the second
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