

600	Those we man along thems for executing
9	There are many algorithms for executing a select oferation, which is basically a
	search operation to locate the necounds
	in a disk file that satisfy a Cordain
	Condition Some of the search algorithms defends
	on the file having electric access lashe
15	and they may apply only to certain types
	of selection conditions. Now take an example
	to discuss algorithm.
	OP1: JSSN= 123456789, (Employee)
	OP2: Josumber >5 (Defartment)
	0P3: TONO = 5 (Employee)
	094: JONO = 5 AND Sclery > 20000 (Emlloyee)
	OPS: TGSSN = 1234567891 AND PND =10 (WOOKS On)
	Now here are the examples of some search
	meshoe -
0	SI-Linear Search > Retrieve every neward in the
	File and test whosher it
	attende values eatisfy the selection condition
0	S2-Binasy Season > It the selection Condition involve
	an equality comparison on a
	bey attribute on which the file is perdered
	S3-Single Record Search → If the selection condition
o	S3-Single Kecard Search → It the selection Condition
	involves an equality
	Comparison on a tey attaibute with a
	becomeny index, we the primary index to set vieve the second.
0	en- Hillson on I To M
	84- Hultille Search -> If the Comparison Condition
	Scanned with CamScanner



	index, use the index to find the socond
	a dicting the Coggestandia and
	satisfying the Corresponding equality condition, then selvieve all subsequent seconds in the
	file.
·	SS-Multiple Search (Clustering) -> If the selection
	/ 1:1: 0 1
	What is the second of the seco
	with a clustering index use the clustering
	with a clustering index use the clustering index to retarieve all the relands eatisting the selection condition.
	86-Range Query > To be used to retrieve
· · · ·	grecords on conditions involving
	>>= Lon 2= Can also be used for an
	paliality Comparison trong lingle grecosed george
	to getrieve multiple gerogale of the indexing
	field is not a key
0	field is not a key
	in any eingle Condition
	in any eingle Condition has an access fath
	that fearnits the use of one of the most
	methods 82 to S6, use that Condition to
	retailere the recorde and then check
	whether each retrieved record satisfies
	the genaining einfle Conditions in the
	Conjunctive Condition.
1\	11-1:0- 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
<u>P)</u>	Mobile and Multimedia databases are
	given as:

Mobile Dalabases & They are scharate from the main database and can main database and can easily be teransforted to various places Even though they are not connected to main though they can still communicate with the database to share and exchange data. 0 Advantages & i) The data in the database can be accessed from anywhere using a mobile database. It provides wireless database access. ?:) The database eystems are cynchronized using mobile databases and multiple users can access the data with seamlers delivery perocess.

""") Mobile databases prequire very little suffart.

""") And maintenance. ne mobile database can be synchronized with multiple devices such as mobiles, computer devices, laptof etc. Disadvantages & i) The mobile data is less secured in a Conventional stationary database. This freser a security hazard.

ii) The mobile unit that houses a mobile database may brequently lose forcer because of limited battery. This should not lead to loss of data in database. Multimedia Databases & They are used to store multimedia data such as

20 Dage___



	images, animation, andio, video along with text. This data is stored in the from of multiple file types like txt, jpg, mp3 etc
	text. This data is stored in the from of
	multiple file tyles like txt, igg, mp3 etc
-11	Challenges Of Multimedia Database & i) Multimedia
	Contains data in large tyle of formats Puch as txt, jleg, m/3, m/4 etc. It is difficult to convert one tyle of data Scormat to another.
	euch as txt ileg mg3 mg4 etc It is
	difficult to convert one tyle of data
	Swimat to another
(۱۱	The multimedia database requires a large gize as the multimedia data is quite large and needs to be stored euccusfully in the database. It takes a lot of time to frocess multimedia database.
	size as the multimedia data is quite
	large and needs to be stored euccesfully
	in the database.
-90	It takes a lot of time to brocess
	multimedia data so multimedia database
	is slow.
- Marine 4	the same of the sa