	DATABASE MS
	What is SQL ? Abbreviated as Structured Query Language
	It is used to communicated with database
	1-e accessing and manipulating database,
	especially in a <u>relational</u> database management
2)	What is NoSQL?
	Abbreviated as "Not Only SQL"
	• It is also used to communicated with database
	• Its databases are gen-Tabular database.
	It stores data not in the form of tables
	rather in document, key-value, graph.
3)	What is difference blu sql and NOsql?
	SQL NOSQL
	Relational dalabase Non Relational db
	Predefined schema dynamic schema
	Structured data Unstructured data

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4)	Which one is faster SQL or NoSQL?
	As data is stored together in NoSQL,
	it means that its saster to perform read
	or write operations on one data. So NoSQL
	is more faster.
<i>Б</i>)-	What is the advantages of SOL over NoSOL?
	SOL are better for multi-row transaction.
	It will give or update or delete multiple
	rows data at the same time with one
	query.
	where to use SQL and NoSQL?
	Where you need scalability (hardle indeasing
	overload) and stexibility (system to be
	adapted to changing needs) you should use
	no SQL. Moreover, if your system needs
	read and write operations majorly that
	go with it as it will do it fastly.
	If your queries are simple than definitly
	adopt it.
-	On the other hand, use SQL if you
	need multiple rows transaction.
	Want to perform complete CRUD.

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	· Have Complex Queries
7)	What are keys in DBMS?
,	· Candidale key · Allernale key
	Primary key • Foreign key
	Super key Composite key
8/	Brief the keys in DBMS ?
<i>o)</i>	Candidate Key:
	The minimal set of attributes that can
	uniquely identify a tuple is known as
	cundidate key.
	Can have null values
	Primary key:
	· An attribute that can uniquely identify
T _{ab}	a tuple
	-> A unique key
	Tt cannot be null.
	Super key:
	A set of altributes that can uniquely
	identify a tuple is known as super key.
	Can have null values
	A candidate key is a super key but
	not vice versa

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	Alternate key:
	The candidate key other than the primary
	key is called an alternate key
	Foreign key:
	· A set of attributes in a table that
	refers to the primary key of another table.
	The table in which foreign key is
	present is called referencing table.
	The table in which the primary key of
	respective foreign key is present is
	called referenced or target table.
	Composite Key:
-	Multiple attributes used to identify
	a hiple uniquely are composite key.
9)	Can a soreign key be null? How?
	Yes, a foreign key can be null
	if there is no particular record of
	the primary key in target table in the
	referenced table.
_/0)	What are joins?
	Join clause is used to combine rows
	from two or more tables based on the

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	Self Join: Used to compare the records
	with in the same table
	id name friend id id name friend id
	1 X 3 3 X 3
	2 Y 1 2 Y 1
	3 2 2 3 2 2
ſ	
(3)	What is indexing in DBMS?
	A data structure technique
	It is used for quickly retrieving entries
	from database files using some attributes
	that have been indexed.
(4)	what are the advantages of indexing?
	Fast refrieval of data
	Better performance of queries
<i>a</i>)	Better securching of records
	How indexing makes the retrievel faster?
	It stores a subset of columns and rows
	of a table in a sorted order. The index,
	acts like a pointer to the original table,
	allowing the database engine to find and
	retrieve the data faster than scanning the
	The total content of the content of

return all rows

4- Transitive dependancy

		Date:
	24)	What are the types of SQL commands
		DOL: Creak, Alter, Drop, Truncale, Rename
		DML: Select, Insert, Update, Delete
		DCL: Grant, Revoke
		TCL: Commit, Rollback, Saveprint
	25)	What is difference blu drop, delete, Truncate.
		Drop, Truncale are DOL commands
		Delete is DML command.
		Drop is used to remove or drop complete table
		Delete is used to delete particular record's rows
/		Trupcale is used to remove a record
1	26)	what is transaction?
		A single logical unit of work which accesses
		and possibly modifies the contents of database
}		Transaction is used to change/maintain
1		the state of database i-e consistent or unconsistent
{	27)	What is ACID is DBMS: The entire transaction takes place at once or
		Atomicity: doesn't happen at all. The database must be consistent before and
•		Conjetency: often the transaction
Š.		TSolution: without interference.
		Durability: occurs even if the system failure occurs
		The state of the s