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1_	The DBMS design design its			
1000	The basic citable german and hearting is used			
(multi-	large number of Post web server date hase			
	occurred with			
	rie work. The chent/server architecture consist of Pcs			
11/2 1/2	Don's architecture depend upon how were are imprected			
Vilolit	to the database to get their repust done			
eleb 3	which freed of reas wolle deldas les si bromares			
	DBMS Architecture			
Manual M	refer to journe und support (shared and promise of a discount of the start of the			
	ione towns with			
louis a	4- Heria, les ai brodnitier dobat sit lastitier dobat is			
The second second	Architecture Architecture Architecture.			
BEUK	S - Se UPBATE STUDING ELT STULMOTES EL CILLAGE - 21 ENDERE			
ií	1- tier architecture, the database is directly available to the			
THUE	user. It means the user can directly sit on the DBMS			
195 0	and used it browners 1900 a si today : mooning 19190 Th			
ni r	2 - tier architecture is same as basic client/server: In the			
	two-tier architecture, application on the client and i can			
	directly communicate with the database at the server side.			
	for interaction API likes ODBC. JDBC nie used			
iv	3-tier Architecture contain another layer between the client			
	and server. In this architecture client can't directly			
	communicate with the server. 3-tier architecture is			
	used in case of large web application.			
Sundaram	Teacher's Sign. :			

Ш

if DML stands for Data Manipulation Language. The DML command in sql change the data present in sql database we can easily access, Store, modify, update and detete the existing records from the database using DML commands.

eg: SELECT * from Student in the select command show records of the specificed so table. It show the particular record of a particular column to by using where clause I man to the law and the select to from student in the select to the sele

b] INSERT: Insert is another most important data manipulation command in sql, which allow user to insert data in data base table.

eg: Insert into student (stu-id, stu-Name, stu-Morks; stu-Age) VALUGS (104, Anmol, 89, 19);

eg: update command: The update command in sql, which allows

users to update or modify the existing data in database table.

eg: update Student SET stu_Morks = 80 stu_Age = 21 where Stu_I al = 103

d] DELET Command: Delect is a DML command which allow sell will allow sell and the database table as multiple existing records from the database table as more propositions.

spis revithis dominand idolesti't idelete the referendato permointitly from the database. . . . 890 will 19A notto rotal roj tavil all and rotal roje

eg! DELET from Studient where istu_Marks >1+0;50 bao

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12001 125	EXPERIMENT: No. Page No. 12.
TIL	DCL and the total and aming all heads of the end will the end while
	on set partition to all gritops to process me defensively
	Del stand for Data control Language. Del command are
	used to countral privateges in the database. The prevelleges
	Cright to access the data? are required for performing all
	the database operation, like creating tables, view or sequence
tive	Del statement are used to perform the work related
	to right, Permission, and other control of the database
cac in a	system of adjust at them at another are adjusted to la
177	The two most important DCL command are GRANT and
	REVOKE.
	Stoler and addressed of bean at midentifications A Enidentificial La
9]	GRANT: This command is used to grant permission to the
	user to perform a particular operation on a particular object
23 40	If we are database administrator and we want to restrict
auto of	user accessibility such as one who only view the data or
	may only update the data we can give the privilege
B1	permission to the user according to our wish.
no seleta	Syntax: GRANT privilege list ON Object norme To user norm
batterooz	to their all or within on it sharing has neal from the right
Ы	REVOKE: This command is used to take permission /access
	back from the user. If we want to return permission
filian adl	from the database the we need to non REVOKE command.
drinearp	Syntax: RENORE privilege list ON Object name From
	. sas-of-juser_name great it in the aid agrithmen of differen
add do	stantagi san medi area medist taldametrojas yanta od symbol (b
off on	dilar as to marked san and men in the stall as philas
- 4	to moral at it and added their at Him market diple
	waren - ed - waren
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- i) ER model stands for an Entity-Relationship model. It is a high level data model. This model is used to define the data elements and relationship for specified system. In ER modeling, the database, structure is portrayed as a diagram couled an entity-relationship bliagram.
- ii). The component of ERD diagram
- al Entity: An entity may be an object, class person or place.

 In ER diagram on entity can be represented as rectorigle.
- b) Attribute: The attribute is used to describe the property of an
- C] Relationship: A relationship is used to describe the relation between rentities. Diamonal on rombus is used to
- all one-to-one Relationship! When only one instance of an entity is associated with the relationship then it is known as one to one relationship!
- b) one to Many Relationship: When only one instance of the entity on the left, and more than one instance of an entity on the right associated with the relationship then is known at one to many -
- an the left, and only one instance of an entity on the right associated with the relationship then it is known as many-to-one.

delegations and or drawn on the real off most stand

d] Many-to-Many relationship: When more than one instance of the entity on the left, and more than one instance of an entity on the right associate with the relationship then it is known as to many-to-many.

I Group By and Having:

In sql the group by statement is used for organizing similar data into group. The data is further organized with the help of equivalent function. It means, if different rows in a precise column have the same values it will arrange those row in a group.

the sql query.

iii) where clause in placed before the group By clause in soil last order By clause is placed after the group By clause in soil.

HAVINGS IN SQL: would foun birsughes : 402 digeral les

- i) The HAVING clause places the condition in the groups defined by the group By clause in the SELECT Statement.
- the 'select' statement in the 'select' statement in
- query or statement.
- iv) We can only use selectristatement with HAYING clause for filtering the records.
- 1) We can implements this sol clause in column operations.
- III Join and Typest of Join : who is used to query and access data from multiple tables by establishing logical relationship between them. It can access data from multiple tables simultaneously using common key values shared across different tables.
- is There are many types of joins in SQL. Depending on the use cases, we can use different type of SQL. JOIN & Clause.
- al INNER JOIN: The inner join keyword select all rows from with the 15 trables as long as the condition is satisfied.
- b) LEFT JOIN: Left Join returns all the rows of the table on the left side of the join and matches rows for the tables on the right side of the join.

ar of		EXPERIMENT: No.	Page No. 16 Date	
olumn	table on the right side of the join and mater for the table on the left side of the join. It			
		there is no matching now on the	left side.	
		ombining result of both left join	result—set by	
ined		The result-set will contain all the		
in	e	Natural Join: Natural join can jo common columns in the tables b		
a	TE L	join return all rows by matching columns boving some name and do		
For		and that column should be presen	The state of the s	
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