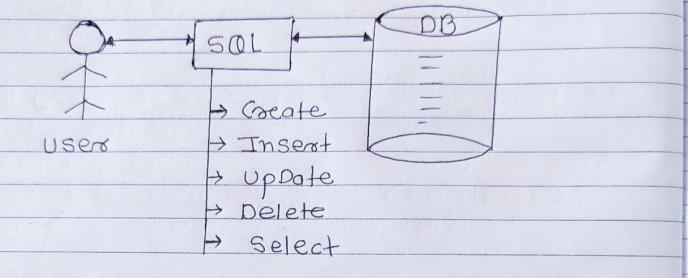
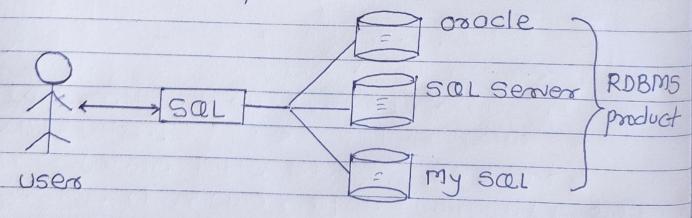
SOL (structured Query Language)

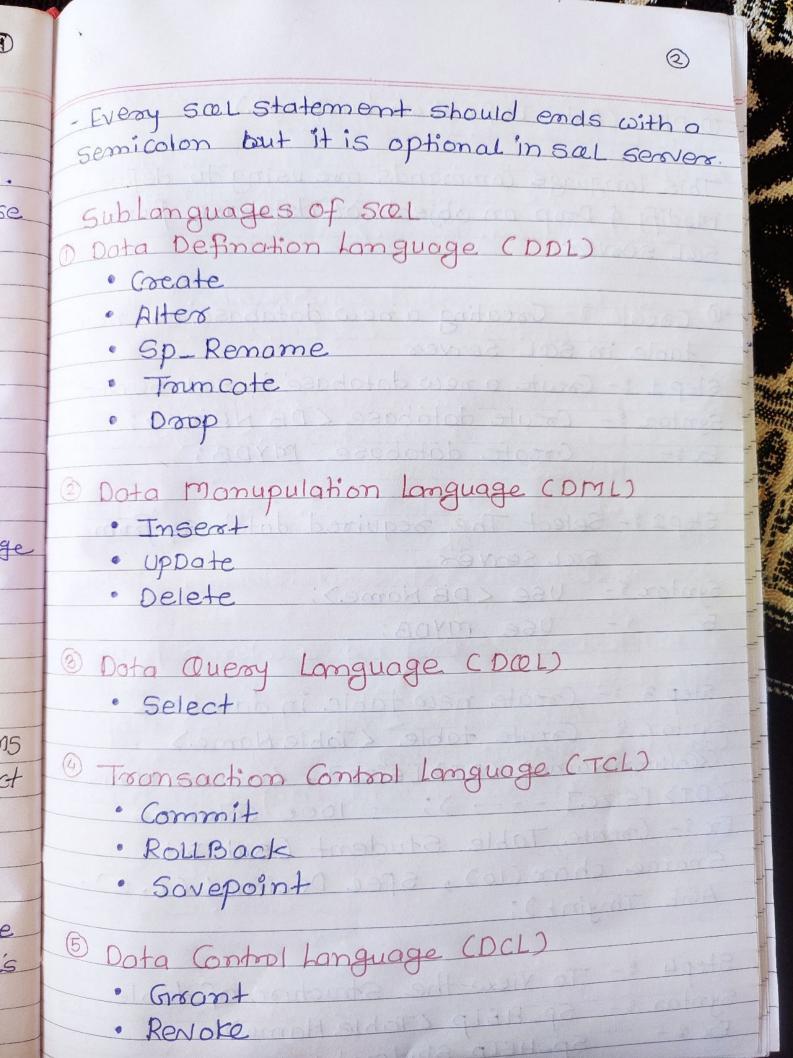
SOL :- SOL is a non procedural language which was introduced by the IBM in 1970's. Which is used to communicate with database



- SOL is also Colled as sequeal of CLI language Common language Interface). This is only the language which can use to Communicate with any RDBMS product.



SOL is not Case Sensitive language that we Can write sol predefined queries or syntoxis in any Case characteris. (either upper or lower)



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O DDL (Data Defination Language)

This Longuage Commands are using to define, modify & Doop on object or database from 501 server.

O Cocate :- Cocating a new database or new table in sal server

Step 1 :- Create a new database in sal somer Syntox: - Create database (DB NAME); Ex:- Create database MYDB;

Step 2: - Select The required dotabase from

Syntax :- Use < DB Name>;
Ec :- Use MYDB;

5tep 3: - Create new table in database

Syntax: - Create table & Table Name)

C(Column Name) & DT > [size], & Column Name!)

LDT > [size] ----); -- 1000 Columns

Ex: - Create Table Student (sid Int.)

Snome char (10), spee Decimal (6,2), AGIE Tinyint);

Step 4 :- To view the Structure of table Syntax: - Sp. HELP (Table Hame); Ex: - Sp. HELP Student; 59-HELP is predefined Stoored produce

of a table or a database.

by using the Alter Command we an perform a following four operations on existing table. To perform these operations we organized subcommands of alter.

i> Alter - Alter Column

ii) Alter Add

iii) Sp-Rename de blo

IV) ALTER - Drop

1>

i) Alter-Alter Column 8- To change datatype of a persticular column.

Syntax 8-

Alter table LTN> Alter Column (Column Name) (New DT> [New Size]:

Ex: - Alter table Student Alter Column SHame Vorschar (50);

existing table.

Syntax: - ALter table LTN> App (New Column

Name > LDT>[Size]; Ex:- Alter Table Student ADD SAddress Varchar (30) iii) Sp-Remome :- To change a Column nome or a table name in database A) Syntax to change a column Hame in table: Sp- Remame (Table Name). LOLD Column Name: KNEW Column Hame 7'; allocary for spectrous co exchange for personal Ex: - Sp-Rename estudent. 5 Name, estudent Names'; . solla la laborationalità B) Syntax to change a table name in database Sp-Rename (Cold table Name), 'L New table (Name?'s good waring the Ex: - Sp-Remome 'student', 'Student-detoils' + sapported spronds OR - 8 reasons motion - maila Sp-Rename estudent-details, estudent iv) ALTER-Doop 8- Droping a column from the toble Million Million Syntax: - Alter table < Table Name > Drop Column L Column Name >; Ex: - Altertable Student Doop Column AGE Esta of acousto residence gritha - : FRA - of IA auto asus ada arts aldok astra d'estara ASABIAS COOR LOTHER SHOT STILL

not structure of the table. by using trumcate command we can not delete a specific row from the table because it dosenit support where 'clause condition.

Syntax: - Truncate table (Table Name); B: - Truncate table Student

- Doop 8- Doopping a table from a database permantly

 Syntax: Doop table & Table Name 7;

 Ec: Doop table Student;
- DML: (Data Manupulation language)
 This language Commands one used to
 Change or manipulate data in database table

 1) Insert: Inserting a new now into a
 table. There are two methods to insert

 now's into a table

 1) Implicit Method: Inserting all

 Volue's for all Column's into a table (without

left any Column)
Syntax: - Insert [into] < Toble Hame > Value's

(Volue I, Value 2, Volue 3 ---);

- Ect Insert student (STID) values (106), (107)
- Dupdate: updating all rows data in a table at a time or a specific row data in a table by using "Where" Condition.

 Symtax: -

update < Table Name > SET < Column Hame 1> = < value 1>, < Column Hame 2> = < value 2> = ... [Where Condition];

HR, Salary as 14,000 & whois employee job as

HR, Salary as 14,000 & whois employee

Numbers is 7788

update emp set job = cHR, salary = 14000

where Empho = 7788

Ex:- Write a guerry to update all employee committee as 500 update Emp set comm = 500

Delete :- Deleting all rows from the table of a time or a specific row from the table by using where clause Condition Syntax:

Delete from L Table Name > [Lihere (Condition)];

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Ex: - Write a Query to delete employee from the table who are working in the job is	
the table who are working in the job is	
Delete from Emp Where joB = ccleark,	
15 1 TO LO DE CARLO DE LA CITATA DEL CITATA DE LA CITATA DEL CITATA DE LA CITATA DEL CITATA DE LA CITATA DE LA CITATA DEL CITATA DEL CITATA DE LA CITATA DE LA CITATA DE LA CITATA DEL CITATA	
Ex: - Write a query to delete all emp	
details from the table	
Delete from Emp	Cample Marie > Colors
Difference between	
Delete	Truncate
UIT is DML operation	1 It is DDL operation
	88 CD 21 mademail 8
now from the table	3 It is not possible
3 It Support Where	3 It dosent support
clause condition	Hhere clause Condition
@ It is the temporary	Top tate page set cor
data deletion	This permant
Continue of the continue of	data deletion
1) He Can restore	© He can not restore
deleted data by using	deleted data by using
milback	mollback by using
Exp Culiana can 1:	
Execution speed is 5100	@ Execution speed is
3/000	fast.

E