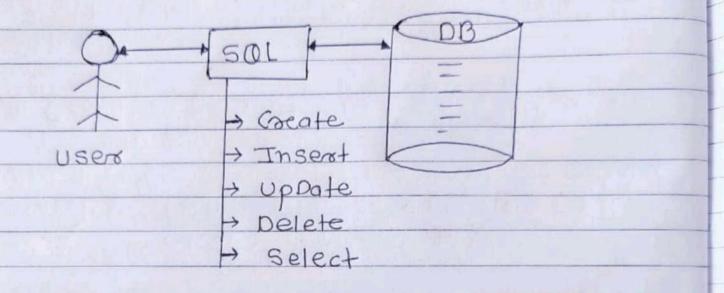


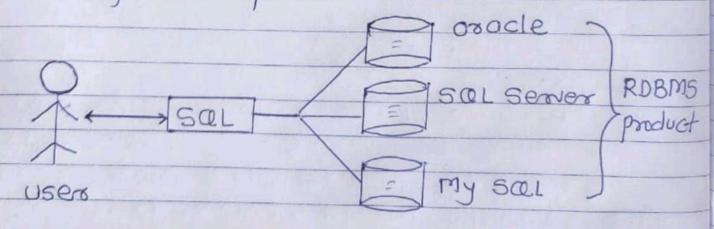
Prepared By: Courseova

SOL (structured Query Language)

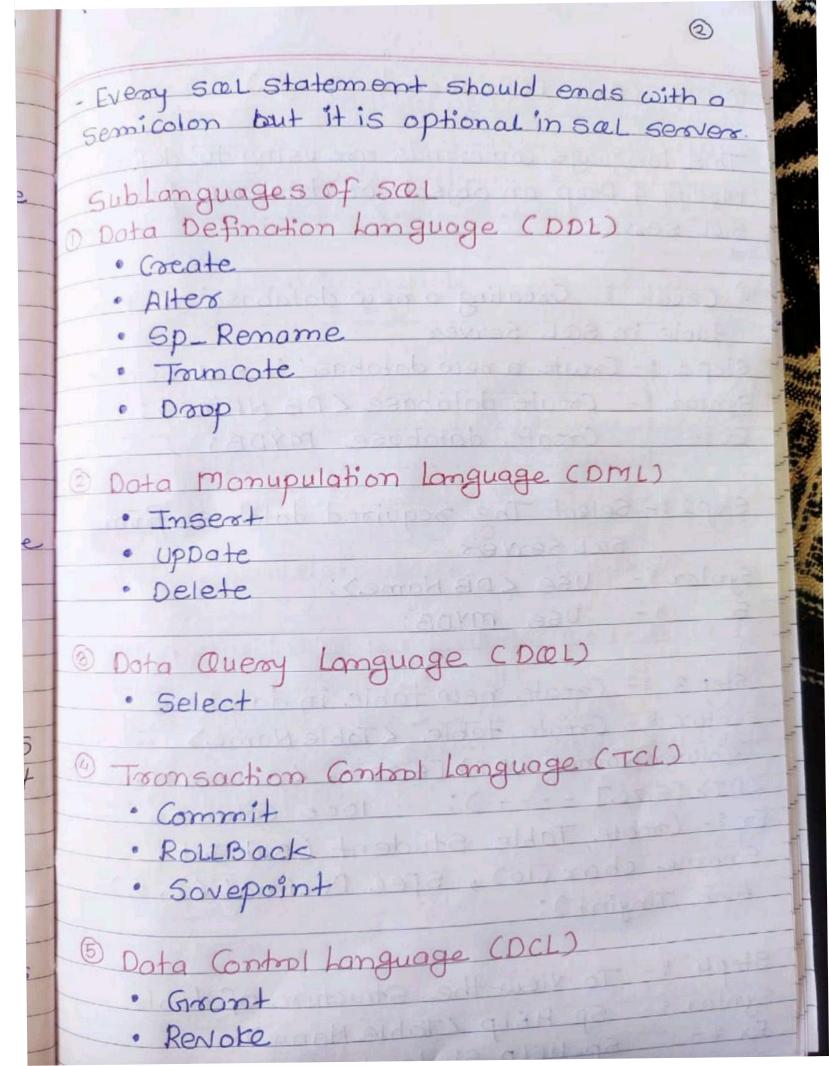
Which was introduced by the IBM in 1970's. Which is used to communicate with database



- 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 syntoxes in any Case characteris. (either upper or lower)



This longuage commands one using to define, modify & Drop on object or dotobase from SOL SENEY.

1 Cocate 8- Creating a new dotabase or new table in sal server

Step 1 :- Greate a new dotabase in sal somer Syntox: - Cocate dotobase (DB NAME); Exi- Create database MYDB;

Step 2: - Select The required dotabase from Sal Servers.

Syntax :- Use < DB Name>;

s - Use mydb;

Step 3 :- Cocate new toble in dotabose. syntox : - (reate toble (Toble Nome)

((Column Name) (DT) [Size], (Column Name 2)

LOT> [5:70] ----); -- 1000 Columns Ex: - Coeate Toble Student (sid Int)

Snome char (10), sfee Decimal (6,2),

AGE Tinyin+);

Step4 :- To view the structure of table Syntax: - Sp_HELP (Table Home);

Ex 8- Sp-HELP Student;

50 HELP is predefined Stoored produper

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 orguised subcommands of alter.

i> Alter - Alter Column

ii) Alter Add

iii) Sp-Rename

IV) ALTER - Drop

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

Syntax 8-

Alter toble (TN) Alter Column (Column Name)

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

existing table.

Syntax: - Alter table LTH> App LNew Column

Name > LDT>[Size]; Ex:- Alter Table Student ADD SAddress Varchar (30) 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); Be: - Truncate table Student

Doop 8- Doopping a table from a database permantly

Syntax: - Doop table & Table Name 7:

Ex: - Doop table student;

2) DML :- (Data Manupulation language)
This language Commands one used to
Change of 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] < TobleHame > Value's (Volue 1, Volue 2, Volue 3 ---);

Ex: - Create table student (STID into SHame Norchar (40), spee decimal (6,2), Age tingint) Insert into student values CIOI, 'SAI', 2500,21) Insert student Volues (102, "JAMES", 4500, 23) ii) Explicit Method 8- Inserting value's for required column's only Coith left any column in the toble) Synton 8 -Insert [INTO] (Table Hame> (Required Column Homes) values (103 " ALLEN") How to Insert Multiple rows into a table Syntax for implicit :-Insert [INTO] (TableHame) Values (ROWI volues), CROW2 volues) --- - 9 Ex: +100 post-sugger = & landfalle to Insert into student volues (104, 'Scott', (800, 22), (105, 'Word', 1000, 25) COMPHINELY ENGINEERS Syntax for Explicit :-Insert [IHTO] (TobleHame) (Required Column Names) Values ((Row1 volves), CROW2 values),

- Ect Insert student (STID) values (106), (107) (108)
- Oupdate: updating all rows data in a table at a time of a specific row data in a table by using 'Where' Condition.

update < Table Name > SET < column Hame 1> = < value 1>, < column Hame 2> = < value 2> --- [Hhere Condition];

HR, Salary as 14,000 & who's employee job as

HR, Salary as 14,000 & who's employee

Numbers is 7788

update emp set Job = CHR, Salary = 14000

where Empho = 7788

Ex: - White a great 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 > [Hhere (Condition)];