

used to antrol database (Communication)

also used to perform specific Tasks, fuctions, Queries.

Commands

O Creat

DDI

DDI

DML

Q Update

3 Altes

4 Truncate

Create: - used to Creat a new tuble in database.

Syntax: Creat table Table name (Gomm name patatype, size);

Drop? - Drop Pable. (Whole Table will destruct Earse permently)

Syntax - Drop TABLE Costomers;

Syntax - Alter Table Costomers

Add (Clomn Name Data Type (Size))

Some Syntax for Modify.

runcate :- It is used to delete all the now out one Hme from table.

Syntax - Truncate Pable Costomers;

ML Commands

Insert - It is used to endering the values to the Corrosponding Colomni.

Syntax - insert into Costomers (-co, Name, LastName, salary) values (01, Rahul, Thakre, 70,000)

OR

Syntax. - Insert into Costomer

values (02, Anus, Ramtene, 50,000)

update - This Command used update or modify the Dalus of a Colomn.

syntax - update Costomers Table Name Contraction contract co Set first name = "Rahw" where student CD= 'oz'

It is used to delete one or more row from table

Syntax - Delete from Costomers where Age > 18

(2)

runcate: - It is used to delete all the row out one time from table.

Syntax - Truncate Pable Costomers;

ML Commands

Insert - It is used to endering the value to the Corrosponding Colomni.

Syntax - insert into Costomers (-co, Name, LastName, salary) values (01, Rahul, Thaure, 70,000)

OR

Syntax - insent into Costomers

values (02, Anus, Ramtene, 50,000)

update - This Command used update or modify the Dalus of a Colomn,

Syntax - update Costomers Table Name Contraction market co Set first name = Rahw where student CD= 'oz'

It is used to delete one or more row from table

Syntax - Delete from Costomers where Age 7 18

DCL

TCL

(transaction Control lang)

Data Control Lang)

- 1 Grant
- Revoke

- Commit
- roll back
- 3 savepoint

It is used to give access to the perficular user in the database / Table.

Syntax - Grant Update OM Costomers To user 1, user 2

used to take back permissions given to user

Syntax - Revoke select,

update on Costomers frome user, user 2.

Commit - used to save all the transaction To data base .

Changes.

Syntax - Delete from Costomers

Where Age = 25;

Commit;

Rollback - used to undo the changes done on database before Commit.

Syntax - Delete frome Costomers
Where age = 25;
Rollback;

Not a whole transaction.

syntax - Save point Arush-Row T.

- Commit used to save all the transaction To data base of the changes.
 - Syntax Delete from Costomers

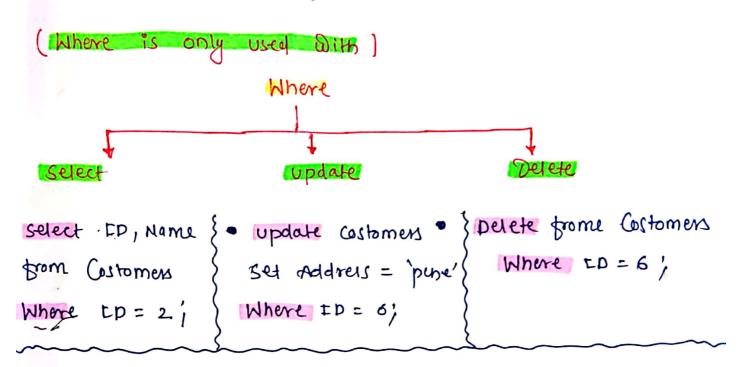
 Where Age = 25;

 Commit;
- ROH back used to undo the changes done on database.

 before Commit.
- Syntax Delete frome Costomers
 Where age = 25;
 Rollback;
- Not a whole transaction.
- syntax Save point Arush-Rows.

SQL Clause

1. Where - (1) Where clause is used to specify Conditions
(2) to Filter records and fetching only
neccessary records from table.



2. Distinct - (1) is used in Concyantion with selete quiry
(2) To eliminate All Duplicate records and
fetching only unique records.

Syntax - Select Distinct

Salary frome contomers

OR

Select Distinct

OR

Select Distinct

Order by salary

Where limit &;

City from Vote_Table.

3. Order By - To sort the data / records in assending or Decending order.

syntax - setect & from Gstomers
order by Name (Alphabetically)

OR

order By name Desc; (for Decending)

(this clause only used whith select Query.)

4. Group by :- (1) Group By is used with Collabration with select away

(2) It is used to betch the records from:
the table which is frome same group.
eg. department, City, country etc.

Syntax - Select & frome Costomers | Employer cioliage

Group By Department = 1 Meen!

Select * frome employee

troup: By Dept = 'Comp'

Whore name = 'Ashish' And

Scanned with CamScanner

Having !- (1) used mostly whith Group By
and consuction with aggregation factions.

Conly with count).

thaning clause Day added to SQL bcoz where have hard cannot be used used with aggregate fuctor.

Logical Operator

1. And (1) To add mulliple andition in select

(2) And used with where clause.

Syntax - Select * from Costomers

Where name = 1 Ajuny 1 And salary > 15,000

And age < 25

Limit 3;

2. OR --- (1) Combine multiple Conditions
(2) used with Where clame

Where name = 1 shant1 or Age < 19

Limit 10 proder By;

Primary key	Foreagn key
rimany key uniquely identify record in the table.	table that is primary in the
mmom	another table.
rimany key Cont aucept Juli Dalue	foreign Can accept multiple Neul Values.
primary key in table	we can have more than one toreign key in a tuble.
primary key of a perticuled table is a attribute which uniquely identify every record, done not Contains any Null Dale.	Foreign key of a perticular table is Simply a primary key of Some other table Duich is used as a refrence key in 2nd table.

* What is the difference between Detete and

permentally permentally which we select. (permentally) performance Slower than tarrer than a wick kent Some Complication where clone yes Ho No. Snyntax (i) Delete from table_name; table_name; table_name; table_name; where:				
Rollback Transaction Rollback Dose not Re Remove the Remove au Record, sturctin where clone (use) Rollback Transaction Rollback Remove the Remove au Record, sturctin where than Permentally Record Permentally Record Permenently Record Record Record, sturctin where than Permentally Permenently Remove au Record, sturctin where than Permenently Permenently Permenently Permenently Remove au Record, sturctin when than Permentally Permenently Permenently Permenently Permenently Permenently Tourcate Table		Delete	Truncate	Drop
Transaction Rollback Dose not Re Remove the Remove au permenent permentally permentally which we select. (permenently) Performance Slower than tarrer than a with but Some complication where clone (Use) Shyntax (1) Delete from table_name; table_name; table_name; where:	Command Typ	DML	PDL	POL
permenent Perete permentaly auicly keut Some amplication Where clone (use) Snyntax Delete from table_name table_name Where:	-	Can be Rollback	Nø	No
Truncate Delete Some Complication Where clone yes No. Shyntax (1) Delete from (1) Truncate table_name; table_name; table_name Where:	Pelete	move record permentaly	Record permentaly	Record, Sturcture which we select.
Snyntax (1) Delete from (1) Truncate table_name; table_name table_name where:			Du ete	Quicky but Some Complications
table_name; Delete from table_name; Where:		yes	40	No.
indition;		table_name; Delete from table_name	Pable	(orale,

- 1) Git Git is a free & apen source distributed code management and version control system.
- (2) Cithub— Git is a cloud based hosting service that hub let manage Cilt repositorys.
- Git D It is a software Pristalled in our-local

 System
 - @ It is a Command line tou
- Github -> 0 Ft is a server we can say.
 - (2) It is a space where we store and manage our source Crde in both the Help Git repositorys.