- SQL is a standard language for accessing and manipulating databases.
- Stouckweed query Language (SQL)
- SQL Cam Coleate, update, inseed, dolete, ordoneur, etc.

RDBMS

- Relational Database Mouragement System (RDBMS)
- RDBMS is the bossicy of SQL and modern DB such as HS SQL securer, IBM DB2, Oracle, HYSQL.
- Data in ROBHS is stored in database elyists called tables.

 Table is a collection of evaluated data entonies and it consists of columns and evaluate.

Some of the most important SQL commands

Solect - extracts data from a database

update - updates data

Dolete - delates data

Insent into - insent new data

Create database - create a new database

Alter database - Modifies a database

Create table - create a new table

Alter table - Modifies a table

Doub table - deletes

create index - creates on index (Search key)

Drop indesc - deletes an indesc

Select statement

- used to solect data from a database.
- -data estudied is stopped in a sessel table, table alled the sessel take takens set tables

Create table

- ... used to create a new table in a database
- Coreato table table-hame (....);

Count

- retorieves the number of some matching the
 - Select count (Id)

District

- used to summove duplicate values forom a sexult set.
- Select district columname from tablerame

Limit

- Used for prestoucting the number of orders orderieved forom DB.
- Select + from tallamence Simit 10

Insent

- a Data Marripulation Language (DHL) used to sread and modify data
- Insort into tablemanne <((column name]...)?

 Volues ([volue]..)

update

- modify the existing occords in a table.
- Dolate
 Dolate
 - delete she escisting oneronds in a table
 - Delete from table-name where condition;

Aggregate function

- calculates on a set of values and return a esingle value.

Imput: Collection of Values

Output: single value

Examples: Sum (), min (), marc(), aug (), etc

Scalan

- Perform operations on every input value.

Examples: Round (), Longth (), ucase, Lease

Date, time functions

Most databases contain specual datatypes for dates and

bimes.

CCHHYYYY : Stock

TrineStamp: YYYY XX DD HH HM SS ZZ ZZZZZ

years), month (), days), days month(), Days (crooks), Examples: daysfyear (), weak (), hour (), minute (), second()

Sul-queries and nested eslects

Sub- query:

A query inside another query

Select Column 1 from table

where column 2 = (solect Hax (column2) from table)

- Cannot evaluate aggregate functions like Avg() in the where clause

Sulshibite the table name with a sul-query Called derived tables or table expressions

Soled & from (solect empid, F-name, L-name, from employees) as Emp4all; aussies to access multiple table

ways to access multiple tables in some openy:

- 1) Suls quescies
- 2) Implicit join
- 3) Join operators (Immer, outer, etc)

Access database using tython

