## Free My SQL Full Course

SQL -> Structured Query Language.

DBMs -> Database Maragament System.

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create alatabase edatubase-name> The above command is used to execute a database. use zolatabase-rame >! used to change the current cladabase to that of <adabase\_name>. drop < database - name > ; used to delete the database alter database <db-raisse> read only = I; realized the database read only - our modify the existing data but can be fetched from. Also cannot be deted. To charge re run the command using = 0. create table stable-nome? ( 11 fields with their doctodages ); used to create a table from ztable\_narme>; selat \* display the data stored in the table. used

rename table <before > to <after >; changes the table rarone from ebefores to eafters drop table ctable-names, deletes the tuble from the dectubrie. alter tuble table name add col-name data-type; used to add a new column to the table. alter table - table-norme > rename column = before> used to change the column name from setoses to cafter; to cafter. alter table = table name> modify column columning charges the datatype of the rarned columns. atter table table-rasses > modity column\_name doubatype after = column-name>; the position of the column in the charges table. To get it first replace after with first. alter table = table-rame> drop column = column rame> deletes or removes the column from the table.

insert into ztoble-name> values (/values in order) adds the data tools the table. To add multiple and resultiple (). insext into <table\_name> (column-names) (values); used to add data to only few columns in the table. desc stuble-house > ; used to display the structure of the data. select col-names, col-names from table-harner; displays the data stored in both the columns from the table only. select \* from = table\_name > where = cordition>. displays the data matching the condition only. The condition chauses can be -> equal to -> not equal to -> greates than < -> not greater than >= -> greates than or equal to <= > lesses than or equal to is NULL > will display the fields with no data.

is NOT NULL -> will display data with fields only with date that is present. update ctuble\_name> set colonicolumn\_name = value where = condition >; charges the data of the table for the column matching the coodition (s). delete from stable-nousne>; versiones all the data present in the table. delete from = toble rame where = condition >; corditionally recenous the data form the table. sot autocommit - of; will not change the data or will not save the operations into the dubabase autosontically. commit; will save the data/sync the data into the database when autocommit is off. rollback; returns to the previously committed state

of the database.

current\_date() > saves the current date as

a value

current\_three() -> saves the current three as

a value.

now() -> saves both the date & time as

a value.

unique -> this keyword with any column name and datatype makes the column value in the table unique to be saved.

alters table starle-name > add constraint unique (column-name);

enakes the values as add the unique constraint for the pasticular column in the table.

NOT NULL -> constraint added with the colname and datatype used to specify that the value of the column must be added & count be believely check (condition) returns true as false value

to be stored or executed. This check and its is validated i.e., the data is entered only if the condition is not violated.

Default value -> saves the default value when no value is added. Primary key -> unique identifies inthe tode. The table can have only one primary key. The primary keepy value commat be NULL. These can be only one primary key for a table Autaincrement -> constraint that is the index. foreign key -> used to connect another table. Syntax as in adding column, foreign ker (column-normé) références ¿table normél. foreign key is used to link two tables. Joint is a clause used to corrobine rows from two or more tables. Select + from inner join = table 2 > 001 eondition; displays the correspon rows that meets the for loft joint it displays all rows from etables: for right joint it displays all roms from etables

functions in squal axe shoot programs, that can pass parameters and return a value.

count() -> returns the count of the rows matching the condition.

max () -> returns the maseirouser of the rows rootching the condition.

as -> can show different names for column without charging while displaying.

avg() => returns average

miss () -> returns missisurpe surer ) -> returns the occumulated surer.

concat () -> can add/concat different col name values, with a number of parameter

logical operators.

AND -> used to match both the conditions or -> used to match either the conditions NOT -> used to mouth the negate of the condition.

Between -> used to define range. in -> present in the array.

wild and characters -> %, \_\_ used to substitute one or more characters in a string. of mild card characters but is accepted only when the condition is (KIKE) -> used to represent one wild card character. oxder by -> sorting while displaying bases on the particular column, asc or desc. Défaut -> asc. LIMIT clause is used to limit the number of records. Useful if working with a lot of data can be used to display a large data on pages. select & from = tuble-name > limit number, displays only the number of values. limit number, number -> offset. UNION combines the results of two or more select statements. UNION works only when both the tables have same number of columns while displaying.

self John

Join another copy of a table to itself used to compose your of the same table helps to display a hierarchy of docta.

update column names set column name = value wher combition;

charges the field value of the condition met column. in the doctabase table.

We can also join the same table.

Views

Virtual table based on the result-set of an SQL statement.

The fields in a view are fields from one or more real tables in the doctabase.

They are not real tables, but ear be interacted with as it they were

view-hourse syntax: create view estramos select column-names from tuble-name;

creates a view that is not gaved as a table but is sowed as a temporary view derived a specific real table.

Indexes (BTree data structure) Indexe are used to find values within a specific column more quickly. Mysol norreally searches sequentially through a colon The bysex the column, the more expensive the operation is. The UPDATE takes more time, SELECT takes less than Show indexes from stable-name = / shows all the indexes from the touble. The fastest way to access any table data. e vente index and ex-name on table-name (columniname) creates an index for the table using the column Subquesy a quesy within a quesy. 4. query wretter as query (sub query). Distinct -> unique while displaying (constraint) Group by aggregate all roms by a specific column often used with aggregate functions as in SUML), MAXC), NINC), AVG(), COUNTC).

Produces a nother row & shows the GRAND TOTAL (value)

The [with ROLLUP] will return the grand total below all the rows. ON DELETE SET NULL = When a Foreign kpy 19 deleter, replace foreign key with NULL on DELETE CASCADE = When a Foreign bey is deletal, deleta row. ON DELETT clause to be added when creatis the table as to be added in the structure. Stored procedure: is a prepared SQL codo that can save great if there is a query that written after. Procedure 19 executed a9. create proceduse () begin => end; Delimites is charged he the all for execution The stored procedure is used as call procedure Trigger: When an event happens, do something. checks data, handles exposs, a valiting tables,

Trigger: When an event happens, do something checks data, handles exposs, a uditing table create trigger rance before latter condition create / update delete on table name for each row each row each row etaterners.