10:22 PM 8/30/2022

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# to create a database

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CREATE DATABASE database\_name;

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#to delete a database

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DROP DATABASE database\_name;

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#to create a table in a specific database

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CREATE TABLE table\_name(

column\_name\_1 data\_type,

column\_name\_2 datatype,

column\_name\_3 datatype

.....................

);

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#to insert a single row in a specific table

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INSERT INTO table\_name(column\_name\_1, column\_name\_2, ............, column\_name\_n)

VALUES

(value\_1, value\_2, .............., value\_n);

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#to insert multiple row(touples) in a specific table

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INSERT INTO table\_name (column\_list)

VALUES

(value\_list\_1),

(value\_list\_2),

..........

(value\_list\_n);

=============================================================

#TO SHOW ALL THE DATABASE

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SHOW DATABASES;

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#TO SHOW ALL THE TABLES IN A SPECIFIC DATABASE

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SHOW TABLES;

=============================================================

#TO DELETE A TABLE FROM A DATABASE

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DROP TABLE table\_name;

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#TO DELETE ALL DATA INSIDE A TABLE WITHOUT COLUMN NAMES

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TRUNCATE TABLE table\_name;

=============================================================

# DELETE A ROW FROM A TABLE

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DELETE FROM table\_name WHERE product\_id = 1;

=============================================================

# UPDATE A VALUE INSIDE A COLUMN(ATTRIBUTE)

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UPDATE table\_name

SET ContactName = 'Alfred Schmidt', City= 'Frankfurt'

WHERE CustomerID = 1;

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#AGGREGATION OPERATION (AVG, COUNT, SUM, MAX, MIN)

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# MAX() FUNCTION (TO SHOW NAME AND MAXIMUM MARKS GROUP BY THEIR NAME)

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SELECT Name, MAX(Marks) FROM table\_name GROUP BY Name

=====================================================================

# MIN() FUNCTION (TO SHOW NAME AND MINIMUM MARKS GROUP BY THEIR NAME)

=====================================================================

SELECT Name, MIN(Marks) FROM table\_name GROUP BY Name

=====================================================================

# COUNT() FUNCTION (TO SHOW ID REPEATATION, NAME FOR EACH NAME)

=====================================================================

SELECT COUNT(ID), Name FROM table\_name GROUP BY Name;

=====================================================================

# SUM() FUNCTION (TO SHOW NAME, TOTAL MARKS FOR EACH NAME)

=====================================================================

SELECT Name, SUM(Marks) FROM table\_name GROUP BY Name;

=====================================================================

# AVG() FUNCTION (TO SHOW NAME, AVERAGE MARKS FOR EACH NAME)

=====================================================================

SELECT Name, AVG(Marks) FROM table\_name GROUP BY Name;