

SQL DML COMMANDS

- INSERT
- SELECT
- UPDATE
- DELETE

INSERT :

Insert an row ->

Insert into database_name.table_name value(column_name1,column_name1,column_name3.....)

Insert into database.team value(1,'yogi',20,9090909090)

Player_id	name	age	Phone_num.
1	yogi	20	9090909090

Insert into specific column ->

Insert into database.team (name,phone_num) value ('tarun',7897908947)

Player_id	name	age	Phone_num
	tarun		7897908947

Insert multiple rows ->

Insert into database.team

value(1,'yogi',20,304098),

value(2,'tarun',18,480430),

value(3,'pranjal',19,4803890)

Player_id	name	age	Phone_num
1	Yogi	20	304098
2	Tarun	18	480430
3	pranjal	19	4803890

MYSQL

Select :

Selecting all cols ->

Select * from database_name.table_name

Select * from database.team

Player_id	name	age	Phone_num
1	Yogi	20	304098
2	Tarun	18	480430
3	pranjal	19	4803890

Selecting manually cols ->

Select name,age from database.team

Name	age
Yogi	20
Tarun	18
Pranjal	19

Changing column name (alias)->

Select name as 'full_name',age as 'age(years)' from database.team

full_name	age(years)
Yogi	20
Tarun	18
pranjal	19

Creating expression using columns->

Select age(years)*12 as 'age(month)' from database.team

name	age(month)
Yogi	240
Tarun	216
pranjal	228

WHERE CLAUSE:

PLAYER_ID	NAME	AGE	TEAM_NAME	TYPE
1	YOGI	20	CSK	BATSMAN
2	TARUN	18	RCB	BOWLER
3	PRANJAL	19	MI	BOWLER
4	BHUPENDRA	20	CSK	BATSMAN
5	LALIT	17	RCB	BOWLER
6	MADHUR	15	MI	BATSMAN

Applying filter on a single columns->

Select * from database.team

Where AGE>=18

PLAYER_ID	NAME	AGE	TEAM_NAME	TYPE
1	YOGI	20	CSK	BATSMAN
2	TARUN	18	RCB	BOWLER
3	PRANJAL	19	MI	BOWLER
4	BHUPENDRA	20	CSK	BATSMAN

Applying filter on multiple columns->

select * from database.team

where AGE>=18 and type='Batsman'

PLAYER_ID	NAME	AGE	TEAM_NAME	TYPE
1	YOGI	20	CSK	BATSMAN

Update:

Update database.team

Set TEAM_NAME = 'GT'

Where TEAM_NAME='MI'

PLAYER_ID	NAME	AGE	TEAM_NAME	TYPE
1	YOGI	20	CSK	BATSMAN
2	TARUN	18	RCB	BOWLER
3	PRANJAL	19	GT	BOWLER
4	BHUPENDRA	20	CSK	BATSMAN
5	LALIT	17	RCB	BOWLER
6	MADHUR	15	GT	BATSMAN

Delete:

DELETE from database.team

Where AGE>=18

PLAYER_ID	NAME	AGE	TEAM_NAME	TYPE
1	YOGI	20	CSK	BATSMAN
2	TARUN	18	RCB	BOWLER
3	PRANJAL	19	GT	BOWLER
4	BHUPENDRA	20	CSK	BATSMAN

TYPES OF FUNCTION IN SQL:

- **AGGREGATE FUNCTION**

MAX/MIN

FIND THE MAXIMUM AGE

Select max(age) as 'age' from database.team

age	20
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AVG

find the average of age

Select avg(age) as 'avg_age' from database.team

Avg_age	18.1666
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SUM

find the sum of age

Select sum(age) as 'sum_age' from database.team

Sum_age	109
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COUNT

STD

VAR

- **SCALER FUNCTION**

Abs

Round

MYSQL

HAPPY LEARNING