

# Where Clause and Constraints

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Task 5  
Surendhar  
santhosh sridhar  
sabarish s

## Objectives

- ① constraints
- ② primary key, foreign key & check
- ③ unique & default
- ④ Referential integrity
- ⑤ where clause [ AND, OR, NOT ]
- ⑥ like operator



Task<sub>1</sub>

ID	fname	lname	mid
1	John	Doe	123

task<sub>2</sub>

mid	Marks	Year	Rating
123	85	2022	A

Repeat

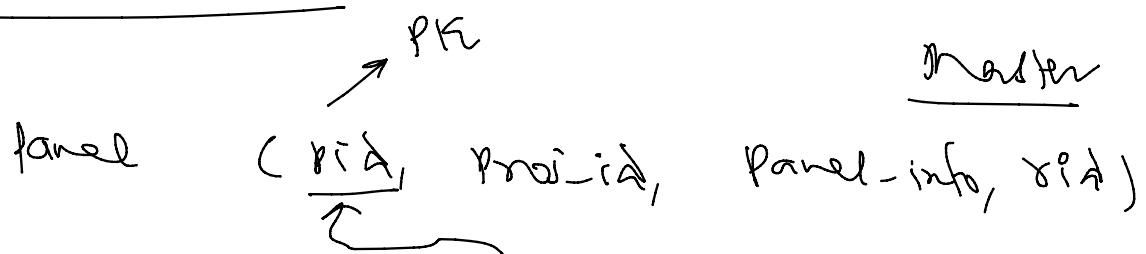
Data

Foreign key

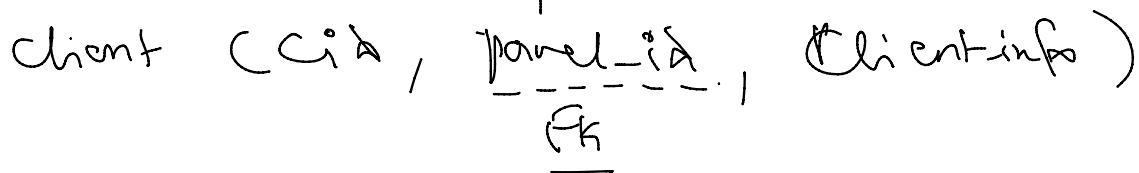
Referential Integrity

## referential integrity

①



②



③

In Case of Insert into panel

- Insert no restriction

\*

④

In Case of Delete from panel

ⓐ If the Delete record not having the reference value in the Client then we can Delete

ⓑ

If the Delete record is having the reference value in the Client then MySQL won't allow us to Delete the record

- Solution → First Delete the

records from the Client, they only attempt the delete from the Panel.

Note:

(Task)

Task

ON DELETE CASCADE

ON UPDATE CASCADE

⑤ If I want to insert Data into Client,

ⓐ If the corresponding PK value is there in Panel (master) then we can insert.

ⓑ If the corresponding PK value is not there in the panel then we can't insert.

→ panel then we can't apply

## Referential Integrity

And → B.Tech & Exp ≥ 5 ✓

OR → B.Tech ; Exp ≥ 5 ✓

✓ And condition make sure that  
both the criterion should satisfy.

OR Condition make sure that  
at least one / either of the  
criterion should satisfy.

AND

X	Y	Output
0	0	0
0	1	0
1	0	0
1	1	1

OR

X	Y	Output
0	0	0
0	1	1
1	0	1
1	1	1

### Day-05 - Key take aways

- ① Primary key
- ② Foreign key
- ③ Referential Integrity
  - Insert Error
  - Delete Error
- ④ Check constraint
  - Number
  - String

(5)

## Power of Databases (mysql)

- Customer
- FB using mysql
- YouTube using MySQL

(6)



Select with where clause