CRUD - 2

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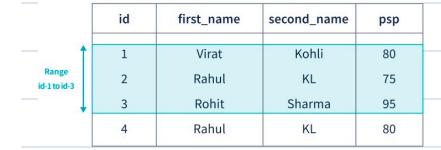




Between

• Between Clause helps us to get values in a specific range.

Students



Question: Get all the movies which were released between year 2006 and 2016.

Both inclusive.

< / > Syntax

SELECT *
FROM table
WHERE col_value between A and B

• Don't put brackets in **Between's** range of values as shown below

Ex: WHERE col_value between (A and B)

SELECT *	
FROM film	
WHERE release_year between 2006 and 2016	



Update

< / > *Syntax*

UPDATE table_name SET col_name = value

WHERE conditions;

'I have added the wrong first_name in the table. Can you update it?'



• Let's update first name of the student at s_id - 3

Students

Update to Rohit at id - 3

id	first_name	last_name	psp
1	Virat	Kohli	80
2	Rahul	KL	75
3	Virat	Sharma	95
4	Rahul	KL	80

update students set first_name = 'Rohit'

where id = 5;

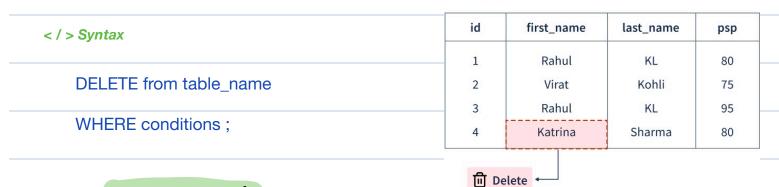


Delete, Truncate, Drop

Delete

 Removes specified rows one-by-one from table (may delete all rows if no condition is present in query but keeps table structure intact).

Students



$$\rightarrow$$
 TC = $O(N)$

Truncate

• Removes the complete table and then recreates it.



Students

Students

Students

id	first_name	last_name	psp
1	Rahul	KL	80
2	Virat	Kohli	75
3	Rahul	KL	95
4	Rohit	Sharma	80
	1 2 3	1 Rahul 2 Virat 3 Rahul	1 Rahul KL 2 Virat Kohli 3 Rahul KL

id	first_name	last_name	psp



Drop

• Removes complete table and the table structure as well.

Query: DROP table table_name;



Delete

id	first_name	last_name	psp
1	Virat	Kohli	80
2	Rahul	KL	75
3	Rohit	Sharma	95
4	Rahul	KL	80

Delete vs Truncate vs Drop

Delete:

- 1. It is slower than TRUNCATE.
- 2. Doesn't reset the key.
- 3. It can be rolled back.



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- 1. Faster than DELETE.
- 2. Resets the key.
- 3. It can not be rolled back because the complete table is deleted as an intermediate step.
- 4. Schema is preserved

Drop:

- 1. It can not be rolled back.
- 2. Schema is not preserved.

Property	Delete	Truncate	Drop
Schema Preserved	~	~	×
Efficiency	×	✓	~
Reversible	~	×	×





