

# CRUD - 2

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# Between

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

## Students

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

Range  
id-1 to id-3

**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

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

Update to Rohit  
at id - 3



update students

set first\_name = 'Rohit'

where id = 3;



# 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).

< / > Syntax

DELETE from table\_name

WHERE conditions ;

→  $TC = O(N)$

Students

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



## Truncate

- Removes the complete table and then recreates it.

Query : TRUNCATE table\_name;

Students

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



Students

id	first_name	last_name	psp

Students

X



## Drop

- Removes complete table and the table structure as well.

**Query :** DROP table table\_name;

Students

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 :

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

**Truncate :**

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	✓	✗	✗







