

Deleting Data

Let us understand how to delete the data from a table.

- Typical Syntax - `DELETE FROM <table> WHERE <condition>`.
- If we do not specify condition, it will delete all the data from the table.
- It is not recommended to use delete with out where condition to delete all the data (instead we should use `TRUNCATE`).
- For now we will see basic examples for delete. One need to have good knowledge about `WHERE` clause to take care of complex conditions.
- Let's see how we can delete all those records from users where the password is not set. We need to use `IS NULL` as condition to compare against Null values.

```
%sql SELECT user_id, user_password FROM users
```

```
* postgresql://itversity_sms_user:***@localhost:5432/itversity_sms_db
6 rows affected.
```

user_id	user_password
2	None
3	None
4	h9LAz7p7ub
5	oEofndp
6	ih7Y69u56
1	None

```
%sql DELETE FROM users WHERE user_password IS NULL
```

```
* postgresql://itversity_sms_user:***@localhost:5432/itversity_sms_db
3 rows affected.
```

```
[]
```

```
%sql SELECT user_id, user_password FROM users
```

```
* postgresql://itversity_sms_user:***@localhost:5432/itversity_sms_db
3 rows affected.
```

user_id	user_password
4	h9LAz7p7ub
5	oEofndp
6	ih7Y69u56

```
%sql SELECT count(1) FROM users
```

```
* postgresql://itversity_sms_user:***@localhost:5432/itversity_sms_db
1 rows affected.
```

count
3