



Start-Tech Academy

# CREATE USER

CREATE USER statement creates a database account that allows you to log into the database

## Syntax

```
CREATE USER user_name  
[WITH PASSWORD 'password_value' | VALID UNTIL 'expiration'];
```



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CREATE USER statement creates a database account that allows you to log into the database

## Example

```
CREATE USER starttech  
WITH PASSWORD 'academy';
```

```
CREATE USER starttech  
WITH PASSWORD academy '  
VALID UNTIL 'Jan 1, 2020';
```

```
CREATE USER starttech  
WITH PASSWORD academy '  
VALID UNTIL 'infinity';
```



# GRANT & REVOKE

Privileges to tables can be controlled using GRANT & REVOKE. These permissions can be any combination of SELECT, INSERT, UPDATE, DELETE, INDEX, CREATE, ALTER, DROP, GRANT OPTION or ALL.

## Syntax

GRANT privileges ON object TO user;

REVOKE privileges ON object FROM user;



# GRANT & REVOKE

Privileges to tables can be controlled using GRANT & REVOKE. These permissions can be any combination of SELECT, INSERT, UPDATE, DELETE, INDEX, CREATE, ALTER, DROP, GRANT OPTION or ALL.

## Privileges

Privilege	Description
SELECT	Ability to perform SELECT statements on the table.
INSERT	Ability to perform INSERT statements on the table.
UPDATE	Ability to perform UPDATE statements on the table.
DELETE	Ability to perform DELETE statements on the table.
TRUNCATE	Ability to perform TRUNCATE statements on the table.
REFERENCES	Ability to create foreign keys (requires privileges on both parent and child tables).
TRIGGER	Ability to create triggers on the table.
CREATE	Ability to perform CREATE TABLE statements.
ALL	Grants all permissions.



# GRANT & REVOKE

Privileges to tables can be controlled using GRANT & REVOKE. These permissions can be any combination of SELECT, INSERT, UPDATE, DELETE, INDEX, CREATE, ALTER, DROP, GRANT OPTION or ALL.

## Example

```
GRANT SELECT, INSERT, UPDATE, DELETE ON products TO starttech;
```

```
GRANT ALL ON products TO starttech;
```

```
GRANT SELECT ON products TO PUBLIC;
```

```
REVOKE ALL ON products FROM starttech;
```



# DROP USER

DROP USER statement is used to remove a user from the database.

## Syntax

```
DROP USER user_name;
```

If the user that you wish to delete owns a database, be sure to drop the database first and then drop the user.



# DROP USER

DROP USER statement is used to remove a user from the database.

## Example

```
DROP USER techonthenet;
```





# RENAME USER

ALTER USER statement is used to rename a user in the database

## Syntax

```
ALTER USER user_name  
RENAME TO new_name;
```



# RENAME USER

ALTER USER statement is used to rename a user in the database

## Example

```
ALTER USER starttech  
RENAME TO ST;
```



# FIND ALL USERS

Run a query against **pg\_user** table to retrieve information about Users

**Syntax**

```
SELECT username  
FROM pg_user;
```



# FIND LOGGED-IN USERS

Run a query against **pg\_stat\_activity** table to retrieve information about Logged-in Users

## Syntax

```
SELECT DISTINCT username  
FROM pg_stat_activity;
```

