

psql

I always end up looking up the same few things every time I need to interact with psql:

==== Quit ====

```
\q
```

==== Databases ====

== List ==

```
\l
```

== Switch ==

```
\c dbname
```

== Rename ==

```
ALTER DATABASE old RENAME TO new;
```

==== Tables ====

== List ==

```
\dt
```

== Show details ==

```
\d tablename
```

==== Create db with user ====

```
create database mydb;  
create user myuser with encrypted password 'mypass';  
grant all privileges on database mydb to myuser;
```

==== Change user pw ====

```
ALTER USER user_name WITH encrypted password 'new_password';
```

(remove ~/.psql_history after)

==== Drop a user after reassigning privs ===

```
REASSIGN OWNED BY <olduser> TO <newuser>
```

or

DROP OWNED BY <olduser>

also to be more thorough:

```
REVOKE ALL PRIVILEGES ON ALL TABLES IN SCHEMA public FROM username;  
REVOKE ALL PRIVILEGES ON ALL SEQUENCES IN SCHEMA public FROM username;  
REVOKE ALL PRIVILEGES ON ALL FUNCTIONS IN SCHEMA public FROM username;  
REVOKE ALL PRIVILEGES ON DATABASE database FROM username;  
DROP USER username;
```

<https://stackoverflow.com/questions/3023583/how-to-quickly-drop-a-user-with-existing-privileges>

==== Dump a database ====

```
pg_dump -C -h (ip) -p (port) -U username dbname > dump.sql
```

(omit -C if you want to create the db yourself)

==== Restore a dump ====

```
psql dbname < dump.sql
```

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