

PostgreSQL Fundamentals Cheat Sheet

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Setup	
Connect	psql -U <username> -d <database> -h <hostname></hostname></database></username>
Disconnect	\q
	or:
	\!
Show system status	\conninfo

General Information	
List users	SELECT rolname FROM pg_roles;
Show current user	SELECT current_user;
Show current user's permissions	\du
List databases	\1
Show current database	<pre>SELECT current_database();</pre>
Show all tables in database	\dt
List functions	\df <schema></schema>

Database	
Connect to database	\c <database_name></database_name>
Create database	CREATE DATABASE <database_name> WITH OWNER <username>;</username></database_name>
Drop database	DROP DATABASE IF EXISTS <database_name>;</database_name>
Rename database	ALTER DATABASE <old_name> RENAME TO <new_name>;</new_name></old_name>

User	
List roles	SELECT rolname FROM pg_roles;
Create user	CREATE USER <user_name> WITH PASSWORD '<pre>result</pre></user_name>
Drop user	DROP USER IF EXISTS <user_name>;</user_name>
Alter user password	ALTER ROLE <user_name> WITH PASSWORD '<password>';</password></user_name>

Table	
List tables in current database	\dt
Globally list tables	\ *.*
Create table	<pre>CREATE TABLE <table_name>(<column_name> <column_type>, <column_name> <column_type>);</column_type></column_name></column_type></column_name></table_name></pre>
Drop table	DROP TABLE IF EXISTS <table_name> CASCADE;</table_name>

Scripting	
Backup database	pg_dump <database_name></database_name>
Restore table	pg_restore -d <database_name> -a <file_pathway></file_pathway></database_name>
Export table into CSV file	<pre>\copy <table_name> TO '<file_path>' CSV</file_path></table_name></pre>
Import CSV file into table	<pre>\copy <table_name> FROM '<file_path>' CSV</file_path></table_name></pre>

Debugging:

 $http://www.postgresql.org/docs/current/static/using-explain.html \\ http://www.postgresql.org/docs/current/static/runtime-configlogging.html$

Advanced Features:

 $http://www.tutorialspoint.com/postgresql/postgresql_constraints.htm\\$