

# GPDB 6.x PSQL Quick Reference

## General

`\copyright` show PostgreSQL usage and distribution terms  
`\g [FILE] or ;` execute query (and send results to file or |pipe)  
`\gset [PREFIX]` execute query and store results in psql variables  
`\h [NAME]` help on syntax of SQL commands, \* for all commands  
`\q` quit psql  
`\watch [SEC]` execute query every SEC seconds

## Query Buffer

`\e [FILE] [LINE]` edit the query buffer (or file) with external editor  
`\ef [FUNCNAME] [LINE]` edit function definition with external editor  
`\p` show the contents of the query buffer  
`\r` reset (clear) the query buffer  
`\s [FILE]` display history or save it to file  
`\w FILE` write query buffer to file

## Input/Output

`\copy ...` perform SQL COPY with data stream to the client host  
`\echo [STRING]` write string to standard output  
`\i FILE` execute commands from file  
`\ir FILE` as `\i`, but relative to location of current script  
`\o [FILE]` send all query results to file or |pipe  
`\qecho [STRING]` write string to query output stream (see `\o`)

## Formatting

`\a` toggle between unaligned and aligned output mode  
`\C [STRING]` set table title, or unset if none  
`\f [STRING]` show or set field separator for unaligned query output  
`\H` toggle HTML output mode  
`\pset [NAME [VALUE]]` set table output option  
(NAME := {border|columns|expanded|fieldsep|fieldsep\_zero|footer|format|linestyle|null|Numericlocale|pager|recordsep|recordsep\_zero|tableattr|title|tuples\_only})  
`\t [on|off]` show only rows  
`\T [STRING]` set HTML <table> tag attributes, or unset if none  
`\x [on|off|auto]` toggle expanded output

## Connection

`\c[onnect] {[DBNAME|- USER|- HOST|- PORT|-] | conninfo}` connect to new database  
`\encoding [ENCODING]` show or set client encoding  
`\password [USERNAME]` securely change the password for a user  
`\conninfo` display information about current connection

## Variables

`\prompt [TEXT] NAME` prompt user to set internal variable  
`\set [NAME [VALUE]]` set internal variable, or list all if no parameters  
`\unset NAME` unset (delete) internal variable

## Informational

(options: S = show system objects, + = additional detail)

`\d [S+]` list tables, views, and sequences  
`\d [S+] NAME` describe table, view, sequence, or index  
`\da [S] [PATTERN]` list aggregates  
`\db [+ ] [PATTERN]` list tablespaces  
`\dc [S+ ] [PATTERN]` list conversions  
`\dC [+ ] [PATTERN]` list casts  
`\dd [S] [PATTERN]` show object descriptions not displayed elsewhere  
`\ddp [PATTERN]` list default privileges  
`\dD [S] [PATTERN]` list domains  
`\det [+ ] [PATTERN]` list foreign tables  
`\des [+ ] [PATTERN]` list foreign servers  
`\deu [+ ] [PATTERN]` list user mappings  
`\dew [+ ] [PATTERN]` list foreign-data wrappers  
`\dE [PATTERN]` list external tables  
`\df [antw] [S+ ] [PATTERN]` list [only agg/normal/trigger/window] functions  
`\dF [+ ] [PATTERN]` list text search configurations  
`\dFd [+ ] [PATTERN]` list text search dictionaries  
`\dFp [+ ] [PATTERN]` list text search parsers  
`\dFt [+ ] [PATTERN]` list text search templates  
`\dg [+ ] [PATTERN]` list roles  
`\di [S+ ] [PATTERN]` list indexes  
`\dL [S+ ] [PATTERN]` list procedural languages  
`\dm [S+ ] [PATTERN]` list materialized views  
`\dn [+ ] [PATTERN]` list schemas  
`\do [S] [PATTERN]` list operators  
`\dO [S+ ] [PATTERN]` list collations  
`\dp [PATTERN]` list table, view, and sequence access privileges  
`\dr [S+ ] [PATTERN]` list foreign tables  
`\drds [PATTERN1 [PATTERN2]]` list per-database role settings  
`\ds [S+ ] [PATTERN]` list sequences  
`\dt [S+ ] [PATTERN]` list tables  
`\dT [S+ ] [PATTERN]` list data types  
`\du [+ ] [PATTERN]` list roles  
`\dv [S+ ] [PATTERN]` list views  
`\dE [S+ ] [PATTERN]` list foreign and external tables  
`\dx [+ ] [PATTERN]` list installed extensions  
`\dy [PATTERN]` list event triggers  
`\l [+ ] [PATTERN]` list databases  
`\sf [+ ] FUNCNAME` show a function's definition  
`\z [PATTERN]` same as `\dp`

## Operating System

`\cd [DIR]` change the current working directory  
`\timing [on|off]` toggle timing of commands  
`\setenv NAME [VALUE]` set or unset environment variable  
`\! [COMMAND]` execute cmd in shell or start interactive shell