

# PSQL Quick Reference

## General

<code>\copyright</code>	show PostgreSQL usage and distribution terms
<code>\g [FILE] or ;</code>	execute query (and send results to file or  pipe)
<code>\h [NAME]</code>	help on syntax of SQL commands, * for all commands
<code>\q</code>	quit psql

## Query Buffer

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

## Input/Output

<code>\copy ...</code>	perform SQL COPY with data stream to the client host
<code>\echo [STRING]</code>	write string to standard output
<code>\i FILE</code>	execute commands from file
<code>\o [FILE]</code>	send all query results to file or  pipe
<code>\qecho [STRING]</code>	write string to query output stream (see \o)

## Formatting

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

## Connection

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

## Variables

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

## Informational

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

<code>\d[S+]</code>	list tables, views, and sequences
<code>\d[S+] NAME</code>	describe table, view, sequence, or index
<code>\da[S] [PATTERN]</code>	list aggregates
<code>\db[+] [PATTERN]</code>	list tablespaces
<code>\dc[S] [PATTERN]</code>	list conversions
<code>\dC [PATTERN]</code>	list casts
<code>\dd[S] [PATTERN]</code>	show comments on objects
<code>\ddp [PATTERN]</code>	list default privileges
<code>\dD[S] [PATTERN]</code>	list domains
<code>\des[+] [PATTERN]</code>	list foreign servers
<code>\deu[+] [PATTERN]</code>	list user mappings
<code>\dew[+] [PATTERN]</code>	list foreign-data wrappers
<code>\df[antw][S+] [PATTERN]</code>	list [only agg/normal/trigger/window] functions
<code>\dF[+] [PATTERN]</code>	list text search configurations
<code>\dFd[+] [PATTERN]</code>	list text search dictionaries
<code>\dFp[+] [PATTERN]</code>	list text search parsers
<code>\dg[+] [PATTERN]</code>	list roles (groups)
<code>\dFt[+] [PATTERN]</code>	list text search templates
<code>\di[S+] [PATTERN]</code>	list indexes
<code>\dl</code>	list large objects, same as \lo_list
<code>\do[S] [PATTERN]</code>	list operators
<code>\dp [PATTERN]</code>	list table, view, and sequence access privileges
<code>\dr[S+] [PATTERN]</code>	list foreign tables
<code>\drds [PATTERN1 [PATTERN2]]</code>	list per-database role settings
<code>\ds[S+] [PATTERN]</code>	list sequences
<code>\dt[S+] [PATTERN]</code>	list tables
<code>\dT[S+] [PATTERN]</code>	list data types
<code>\du[+] [PATTERN]</code>	list roles (users)
<code>\dv[S+] [PATTERN]</code>	list views
<code>\dx [PATTERN]</code>	list external tables
<code>\l[+]</code>	list all databases
<code>\z [PATTERN]</code>	same as \dp

## Operating System

<code>\cd [DIR]</code>	change the current working directory
<code>\timing [on off]</code>	toggle timing of commands
<code>\! [COMMAND]</code>	execute command in shell or start interactive shell

## Large Objects

<code>\lo_export LOBOID FILE</code>	Large Object Operations
<code>\lo_import FILE [COMMENT]</code>	
<code>\lo_list</code>	
<code>\lo_unlink LOBOID</code>	