psql [OPT].,, [DB [UNAME]]

-d	database name to connect to
-l	list available databases, then exit
-f	execute commands from file,
-v	set psql variable NAME=VALUE (e.g., -v ON_ERROR_STOP=1)
-q	run quietly (no messages, only query output)
-F	field separator for unaligned output (default "|")
-t	print rows tuples only
-h	database server host
-p	database server port (default: "5432")
-U	database user name

psql Meta-commands

\cd	change current working dir
\! pwd	print current working dir
\conninfo	current database connection.
\copy	\copy table { from | to } filename [with] [delimiter [as] 'character'] [null [as] 'string'] ...
\g file	Sends the current query input to
\g |cmd	the server, and optionally stores it in file, or pipes it to cmd
\i file	reads input from file and exec it
\l	lists all databases
\o file	sends further query output to
\o |cmd	file or pipes it to cmd
\p	print current query buffer
\password [user]	changes pw of user (def: current)
\pset option [value]	ex: \pset null '(null)'
\q	quits psql
\r	Resets (clears) the query buffer
\s file	Print psql's history to file
\set [name [value [...]]]	\set alone prints all values set
\t	toggles column headings
\x on/off/auto	Sets or toggles table formatting

Miscellaneous commands

pg_dump	dump database to file pg_dump –compress=9 –user=… … dbname > file.gz
pg_ctl	create cluster, stop, check pg_ctl initdb -D /data/… pg_ctl start / stop / status
createdb	create an empty database createdb -U... -T template0 name
reload db	gzip -dc file.gz | psql -U... dbname
pg_dumpall	dump all databases pg_dumpall > file.dmp psql -dpostgres -f file.dmp

Important SQL commands

drop	drop database dbname drop table tablename drop index indexname
truncate	truncate table tablename

Other interesting stuff

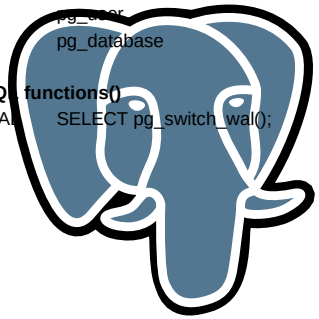
bytea	SELECT columnname::bytea …
explain	explain analyze verbose QUERY BEGIN; EXPLAIN…. ; ROLLBACK;

System tables

SELECT tablename FROM pg_tables	
	pg_stat_activity
	pg_indexes
	pg_user
	pg_database

SQL functions()

WAL	SELECT pg_switch_wal();



the size is 8*pi-5 cm X 7,5 cm
i.e. 20,12 cm X 7.5 cm