PostgreSQL: Complete List of Commands with Examples

1. SQL Commands (Expanded)

Command Type	Command	Example
DDL (Data Definition)	CREATE	CREATE TABLE students (id SERIAL PRIMARY KEY, name VARCHAI
DDL	ALTER	ALTER TABLE students ADD COLUMN age INT;
DDL	DROP	DROP TABLE students;
DML (Data Manipulation)	INSERT	INSERT INTO students (name, age) VALUES ('Alice', 25);
DML	UPDATE	UPDATE students SET age = 26 WHERE name = 'Alice';
DML	DELETE	DELETE FROM students WHERE age < 20;
DML	SELECT	SELECT * FROM students WHERE age > 25;
DCL (Data Control)	GRANT	GRANT SELECT ON students TO guest;
DCL	REVOKE	REVOKE SELECT ON students FROM guest;
TCL (Transaction Control)	COMMIT	COMMIT;
TCL	ROLLBACK	ROLLBACK;
TCL	SAVEPOINT	SAVEPOINT sp1;
TCL	RELEASE SAVEPOINT	RELEASE SAVEPOINT sp1;
Admin	SHOW	SHOW search_path;
Admin	SET	SET timezone = 'UTC';
Utility	EXPLAIN	EXPLAIN SELECT * FROM students;
Utility	ANALYZE	ANALYZE students;
Backup	pg_dump	pg_dump -U postgres mydb > backup.sql
Restore	psql	psql -U postgres mydb < backup.sql

2. Administration & Utility Commands

Command	Description	Example
psql	Interactive terminal	psql -U postgres -d mydb
\l	List all databases	\l
\dt	List all tables	\dt
\d table_name	Describe a table	\d students
VACUUM	Reclaim storage	VACUUM ANALYZE students;

REINDEX	Rebuild index	REINDEX TABLE students;
CLUSTER	Reorganize table	CLUSTER students;
LOGOUT	Exit psql	\q