Privilege

SID: 12310401

Name: 王子恒

```
lab1=# CREATE ROLE usrtest;
CREATE ROLE
lab1=# CREATE USER usr_test2;
CREATE ROLE
lab1=# select rolname from PG_ROLES;
          rolname
 earendelh
 pg_database_owner
 pg_read_all_data
 pg_write_all_data
 pg_monitor
 pg_read_all_settings
 pg_read_all_stats
 pg stat scan tables
 pg read server files
 pg_write_server_files
 pg_execute_server_program
 pg_signal_backend
 pg checkpoint
usrtest
usr test2
(15 行记录)
lab1=# DROP ROLE usrtest;
DROP ROLE
lab1=# DROP USER usr_test2;
DROP ROLE
lab1=# CREATE USER "usrtest3";
CREATE ROLE
lab1=# DROP ROLE "usrtest3";
DROP ROLE
lab1=#
```

3.

```
● « ~/Documents/大二上/CS213DB/ psql -d lab1 -U role_psd_login
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> create database db_privilege;
 ERROR: permission denied to create database
 lab1=> create role role_create_role LOGIN ;
         permission denied to create role
 lab1=> CREATE ROLE admin WITH CREATEDB CREATEROLE LOGIN PASSWORD '000000';
 ERROR: permission denied to create role
 lab1 => \q
● « ~/Documents/大二上/CS213DB/ psql -d lab1
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=# CREATE ROLE admin WITH CREATEDB CREATEROLE LOGIN PASSWORD '0000000';
 CREATE ROLE
 lab1=# \q
○ 《 ~/Documents/大二上/CS213DB/ psgl -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> create database db_privilege;
 CREATE DATABASE
 lab1=> create role role_create_role LOGIN ;
 CREATE ROLE
 lab1=>
```

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● • ~/Documents/大二上/CS213DB/ psgl -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> select * from t privilege;
 ERROR: permission denied for table t privilege
 lab1=> insert into t_privilege values (8,'create','all');
 ERROR: permission denied for table t_privilege
 lab1=> update t_privilege set field='everything' where num=8;
 ERROR: permission denied for table t_privilege
 lab1=> \q
● d ~/Documents/大二上/CS213DB/ psgl -d lab1
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=# GRANT SELECT on public.t privilege to admin;
 NOTICE: Operation here: ddl_command_start GRANT
 GRANT
 lab1=# GRANT INSERT on public.t privilege to admin;
 GRANT
 lab1=# GRANT UPDATE on public.t_privilege to admin;
 GRANT
 lab1=# GRANT ALL on public.t_privilege to admin;
 GRANT
 lab1=# \q
●  ◆ ~/Documents/大二上/CS213DB/ psgl -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> select * from t privilege;
  num | prvl | field
 (0 行记录)
 lab1=> insert into t_privilege values (8,'create','all');
 INSERT 0 1
 lab1=> update t privilege set field='everything' where num=8;
 UPDATE 1
 lab1=> \q
○ • ~/Documents/大二上/CS213DB/ psql -d lab1
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=# REVOKE ALL on schema public from role/public
 lab1-# ;
 ERROR: syntax error at or near "/"
 第1行REVOKE ALL on schema public from role/public
 lab1=# REVOKE ALL on schema public from role;
 ERROR: role "role" does not exist
 lab1=# REVOKE ALL on schema public from admin;
 REV0KE
```

```
psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=# create schema schema new;
 CREATE SCHEMA
 lab1=# \q
● 《 ~/Documents/大二上/CS213DB/ psql -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> set search_path to schema_new;
 SET
 lab1=> create table t test(
 id integer,
 text varchar(100)
 );
 ERROR: no schema has been selected to create in
 第1行create table t_test(
 lab1 => \q
● « ~/Documents/大二上/CS213DB/ psql -d lab1
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=# ALTER schema schema_new OWNER TO admin;
 ALTER SCHEMA
 lab1=# \q
● « ~/Documents/大二上/CS213DB/ psql -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息.
 lab1=> create table t test(
 id integer,
 text varchar(100)
 );
 ERROR: permission denied for schema public
 第1行create table t test(
 lab1=> \q
○ « ~/Documents/大二上/CS213DB/ psql -d lab1 -U admin
 psql (15.8 (Homebrew))
 输入 "help" 来获取帮助信息。
 lab1=> set search_path to schema_new;
 SET
 lab1=> create table t test(
 id integer,
```

```
);
CREATE TABLE
```

lab1=> select usena usename	ame, usecreated usecreatedb		om pg_user;
earendelh user_psd role_psd_login admin role_create_role (5 行记录)	 f f t f	t f f f	