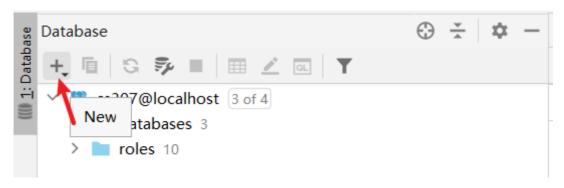
### **Software Installing**

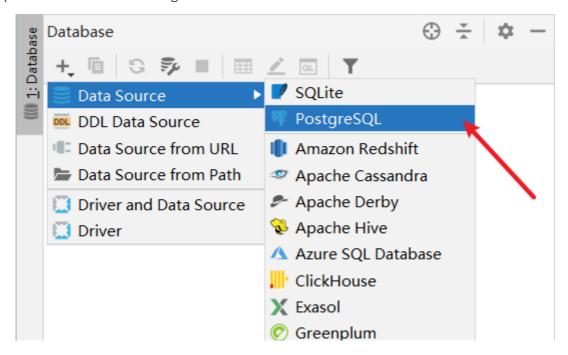
#### **Experiment 1:**

## Create a database using data source PostgreSQL(Here use DataGrip as client).

Step1: create a new database

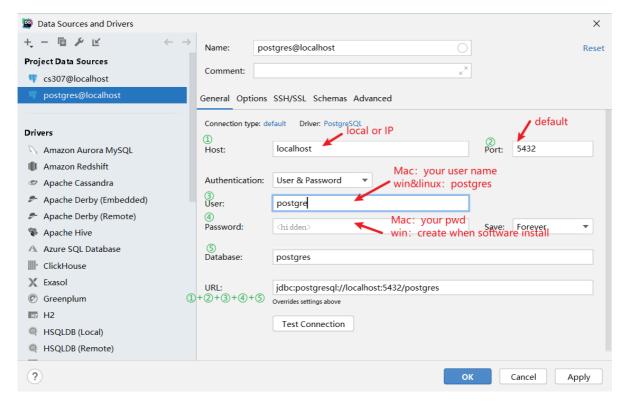


Step2:choose data source Postgres

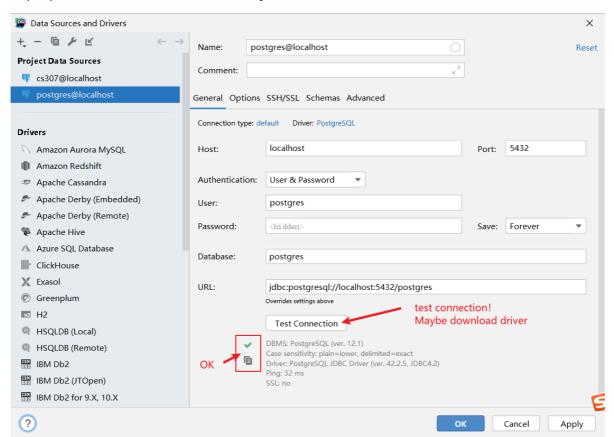


*Step3*: fill in host,port,user,password,database as following. Some of them should be default mode. Notice your Operating System, there will be little difference.

**Tips**: Here URL contain all information of host,port,user,password,database.



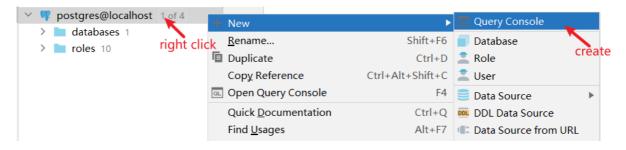
Step4: press 'Test Connection' button, maybe extra driver should be download.



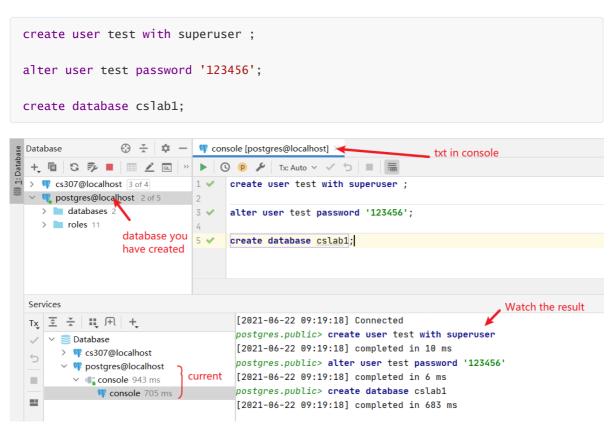
#### **Experiment 2:**

### Create a superuser, change your password and create a new database.

Step1:create a new Query Console



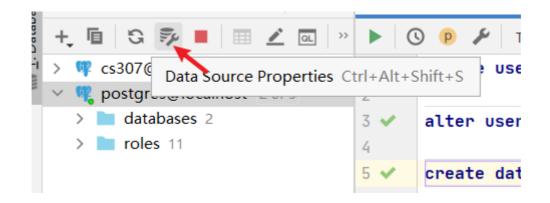
Step2: text following language in console, and execute. Watch the result in window.



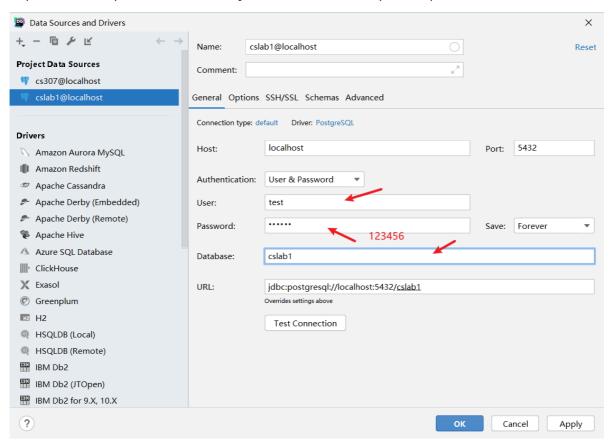
#### **Experiment 3:**

Visit the database you have created in Experiment 2 with new superuser and new password.

Step1:open data source properties to edit new properties.



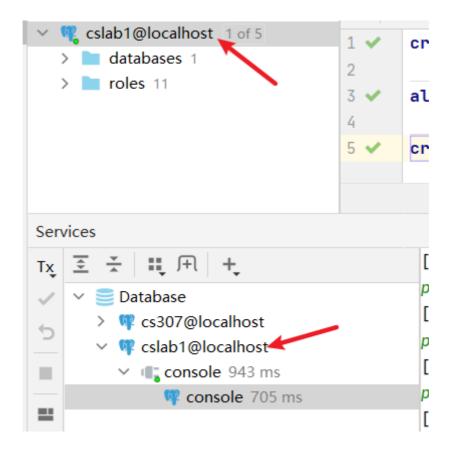
Step2: fill in user, password, database you have created in step 2 in experiment 2.



Step3: test connection again and press OK button.



Step6: you can see the current database connected has changed.



# Experiment 4: Test some data definition language(DDL), drop, create, alter.

Step1: you can test following language, execute and watch the result.

```
create schema schema1;

create table lab1(
   name varchar(30),
   sid numeric
);

insert into lab1(name, sid) values ('zhangsan',00001);

alter table lab1 add column score integer;

drop table lab1;

drop schema schema1;

show search_path;
```