Trigger

SID: 12310401

Name: 王子恒

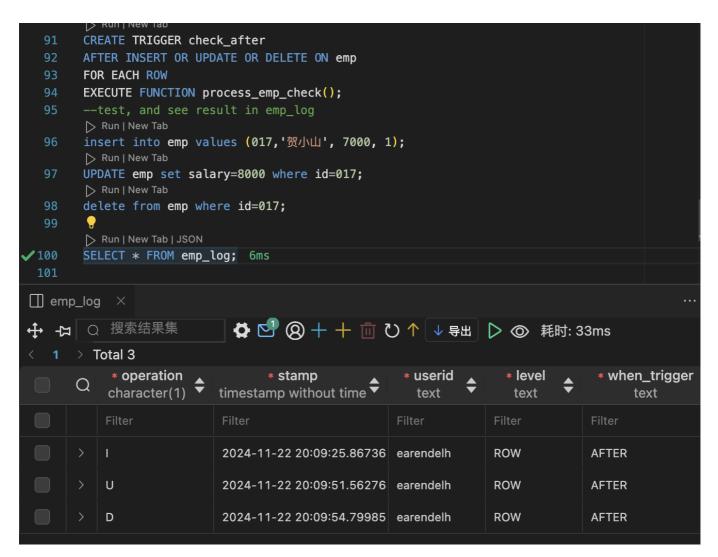
```
Run | Copy
         CREATE FUNCTION emp_stamp() RETURNS trigger
         $emp_stamp$
         BEGIN
         -- Check that salary are given
         IF NEW.name IS NULL THEN
         RAISE EXCEPTION 'emp_name cannot be null';
         END IF;
         IF NEW.salary IS NULL THEN
         RAISE EXCEPTION '% cannot have null salary', NEW.name;
   11
   12
         END IF;
         -- Who works for us when they must pay for it?
   13
         IF NEW.salary < 0 THEN</pre>
   15
         RAISE EXCEPTION '% cannot have a negative salary', NEW.name;
         END IF;
   17
         END;
         $emp stamp$ LANGUAGE plpqsql;
Result
                                   🗘 🛂 🕲 十 十 🗓 ひ ↑ 🗸 导出 🖒 🔘 耗时: 14ms <
         Q 搜索结果集
↔ -は
Execution completed in 14ms
  问题 1
              输出
                                                 SPELL CHECKER 2
                                                                                       + \vee \sum_{psql}
                     调试控制台
                                  端口
                                          终端
                                                                        注释
  psql: 错误: 连接到套接字"/tmp/.s.PGSQL.5432"上的服务器失败:FATAL: database "eare \_
  ndelh" does not exist
�� ~/Documents/大二上/CS213DB/ psql -d lab1
  psql (15.8 (Homebrew))
  输入 "help" 来获取帮助信息。
  lab1=# insert into dept values(1, '开发部','Bao''an'); insert into dept values(2, '测试部','Bao''an'); insert into dept values(3, '财务部'); insert into dept values(4, '市场部','Bao''an'); insert into dept values(5, '总经办'); insert into dept values(6, '生产部','Bao''an');
  INSERT 0 1
  lab1=# ∏
```

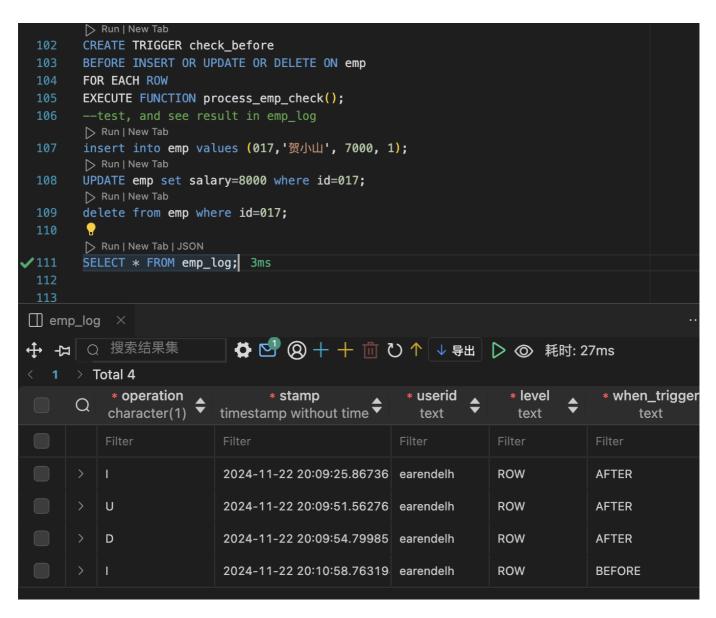
```
76
  77
       IF (TG_OP = 'DELETE') THEN
       INSERT INTO emp_log SELECT 'D', now(), user, TG_LEVEL, TG_WHEN,
  78
  79
       OLD.id, OLD.name, OLD.salary;
       ELSIF (TG_OP = 'UPDATE') THEN
  80
  81
       INSERT INTO emp_log SELECT 'U', now(), user, TG_LEVEL, TG_WHEN,
  82
       NEW.id, NEW.name, NEW.salary;
  83
       ELSIF (TG_OP = 'INSERT') THEN
       INSERT INTO emp_log SELECT 'I', now(), user, TG_LEVEL, TG_WHEN,
  84
       NEW.id, NEW.name, NEW.salary;
       END IF:
       RETURN NULL; -- result is ignored since this is an AFTER trigger
  87
       $emp_check$ LANGUAGE plpgsql;
  90
  91

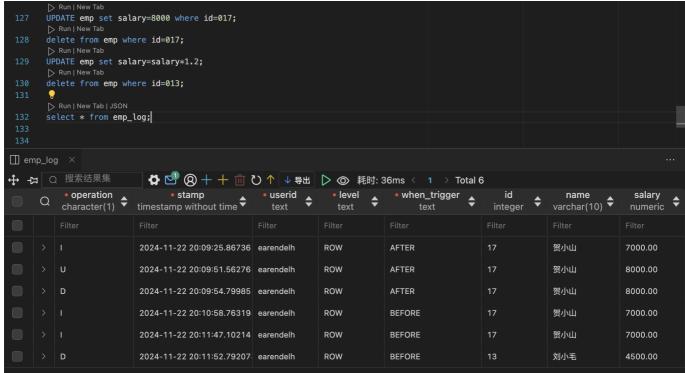
    □ Result

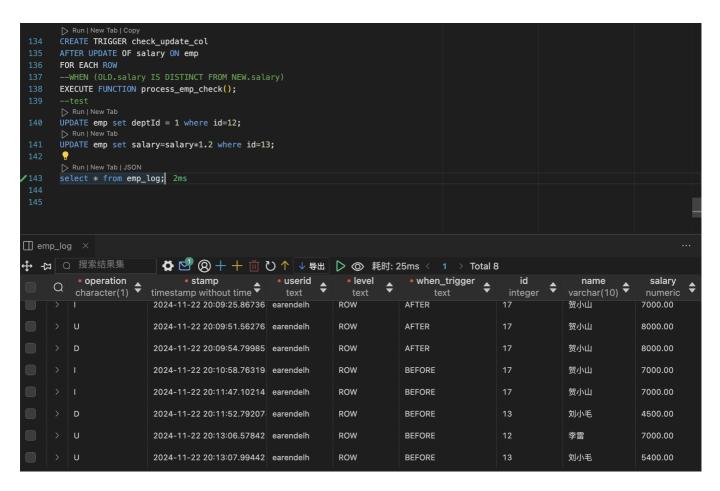
☆ ☑ ② 十 十 前 ひ ↑ ↓ 导出 ▷ ◎ 耗时: 17m

↔ ⇔ ○ 搜索结果集
Execution completed in 17ms
```

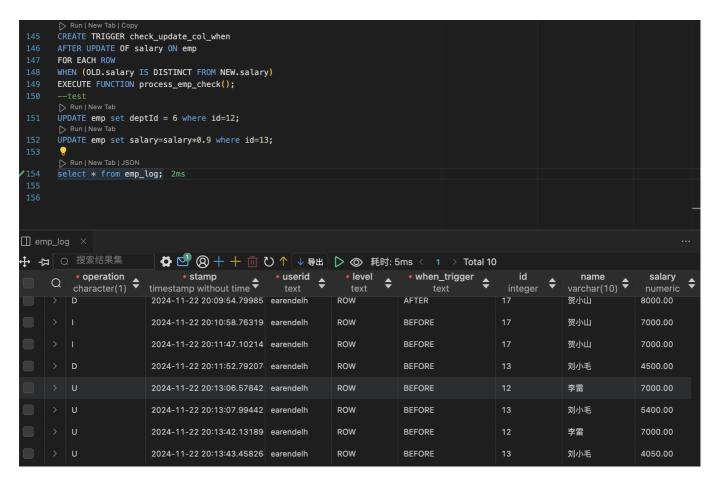


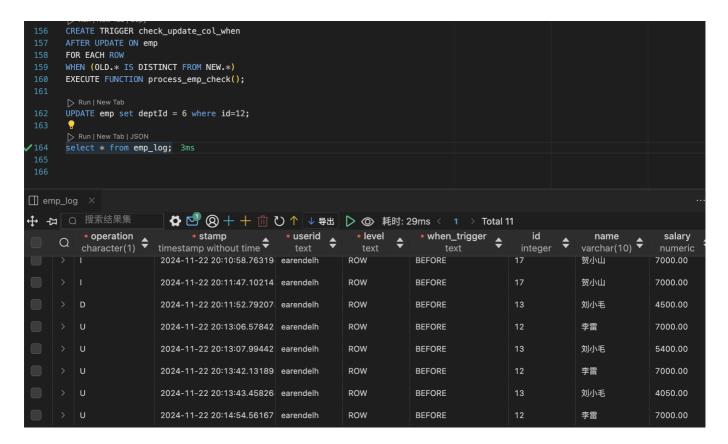




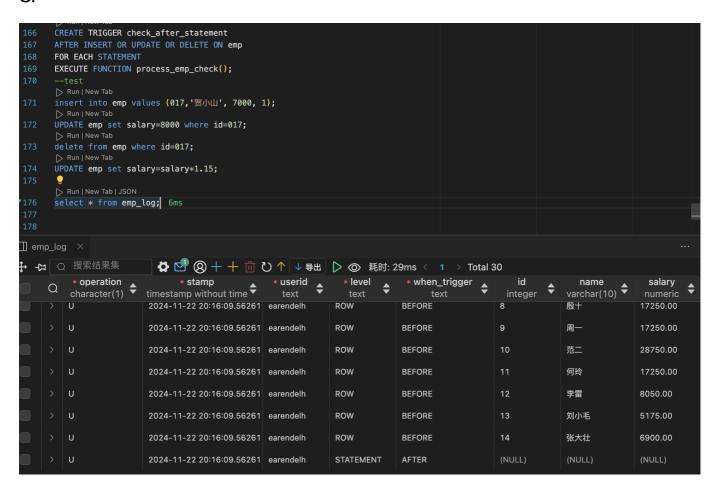


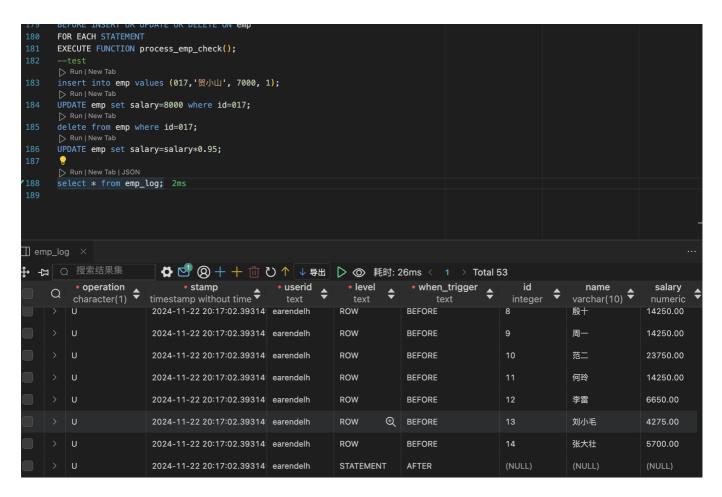
6.





8.





10.

```
lab1=# create table test(
test1 int,
test2 int
);
NOTICE: Operation here: ddl_command_start CREATE TABLE
CREATE TABLE
lab1=# drop table test;
NOTICE: Operation here: ddl_command_start DROP TABLE
DROP TABLE
```

show triggers

