

《数据库原理》实验报告 2

实验内容：创建视图和用户对表数据进行管理

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1. 实验内容简介

1.1 找一个数据量较大的数据表，熟悉其结构，备份一个一模一样的表，待会有破坏性的实验。思考一下怎么让多个人分管这个数据表，相互之间互不干扰。（A 删除 A 管的数据，不影响 B 管的数据，A 也不能创建 B 管的数据）。例如创建多个用户，将不同权限或不同视图分给不同的用户，切换用户试试。

1.2 感受一下相互能干扰的情况：创建 2 个用户，管理员将 1 中的表所有权限授权给这两个用户。然后退出管理员，用用户 1 登陆，增改查，感受一下；换用户 2 登陆，看看是否有用户一增改的数据，删掉大部分数据；换用户二登陆，看看数据。

1.3 根据你的思路对 1 中的数据表创建 2 个视图（视图数据应该相互不重复，规则中应该防止用户一添加用户二的数据），将视图分给 2 个人使用；切换用户一和用户二登陆，看看自己的数据；尝试用户一增删改，甚至增加/删除一下用户二范围内的数据，用用户二登陆看看用户二的数据是否有影响。

2 实验环境描述

2.1 硬件配置

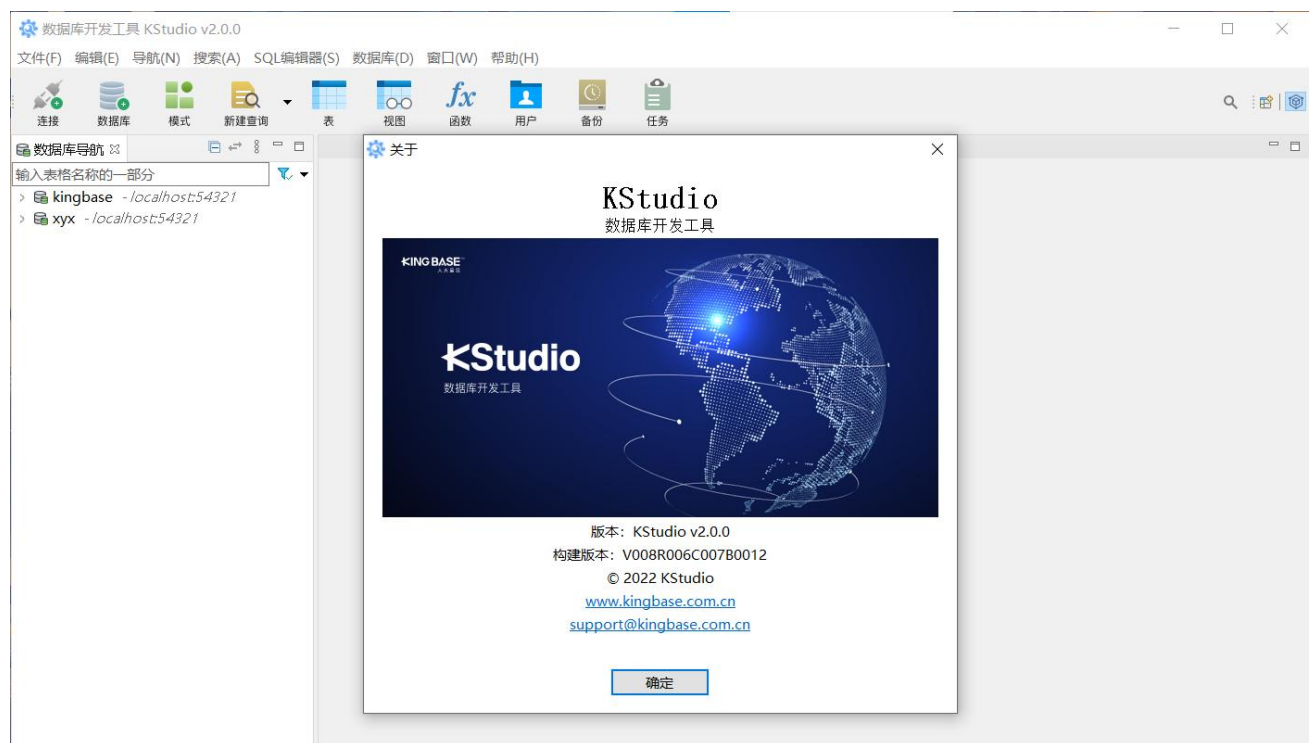
 主板	ASUSTeK COMPUTER INC. FX506HM
 CPU	11th Gen Intel(R) Core(TM) i7-11800H @ 2.30GHz 8核
 显卡	NVIDIANVIDIA GeForce RTX 3060 Laptop GPU 6GB
 内存	16GB (Micron Technology 3200MHz)
 硬盘	NVMe HFM512GD3JX013N (477GB)
 系统	Windows 10 X64
默认监视器	

2.2 软件配置

2.2.1 操作系统



2.2.2 数据库软件和版本



3 实验步骤和抓图

3.1

登录用户 yes, 查看 view1 中的数据

数据库(D) 窗口(W) 帮助(H)

表 视图 函数 用户 备份 任务

编辑视图 view2 13

基本属性 权限 用户角色列表 权限列表

用户角色列表

用户

system

sao

sso

micaher1

bob

miahcer

aiwa

yes

nano

角色

PG_monitor

PG_read_all_settings

PG_read_all_stats

PG_read_server_files

PG_read_server_files

PG_write_server_files

PG_execute_server_program

public

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

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数据库第二次实验

LAPTOP-CUMOGIAC 13

test@vc test yes

Password for user 'yes':

You are now connected to database "test" as user "yes".

test-> select * from view1;

customer_id | city | country | phone | number

ALFEI | Berlin | Germany | 030-0024121 | 1

ANATR | México D.F. | Mexico | (5) 555-4729 | 1

ANTON | México D.F. | Mexico | (5) 555-3902 | 1

AROUT | London | UK | (171) 555-7788 | 1

BERGS | Luleå | Sweden | 0921-12 34 65 | 1

BLAUS | Mannheim | Germany | 0621-08460 | 1

BLOMP | Strasbourg | France | 88.60.15.31 | 1

BOLID | Madrid | Spain | (91) 555 22 82 | 1

BONAP | Marseille | France | 91.24.45.40 | 1

BOTTN | Tsawassen | Canada | (604) 555-4729 | 1

BSEEV | London | UK | (171) 555-1212 | 1

CACTU | Buenos Aires | Argentina | (1) 135-5555 | 1

CEMTC | México D.F. | Mexico | (5) 555-3392 | 1

CHOPS | Bern | Switzerland | 0522-076545 | 1

CORWA | Sao Paulo | Brazil | (11) 555-7647 | 1

CONSH | London | UK | (171) 555-2282 | 1

DRAOD | Aachen | Germany | 0241-039233 | 1

DUNCN | Nantes | France | 40.67.88.88 | 1

EASTC | London | UK | (171) 555-0297 | 1

ERNSH | Graz | Austria | 7675-3425 | 1

FRANZ | Sao Paulo | Brazil | (11) 555-0857 | 1

FTSSA | Madrid | Spain | (91) 555 94 44 | 1

FOLIG | Lille | France | 20.16.10.16 | 1

FOLIO | Brücke | Sweden | 0695-34 67 21 | 1

FRANK | München | Germany | 089-0872310 | 1

FRANK | Nantes | France | 40.32.21.21 | 1

FRANK | Torino | Italy | 011-4988260 | 1

FURIB | Lisboa | Portugal | (1) 354-2534 | 1

GULEO | Barcelona | Spain | (93) 203 4560 | 1

GODOS | Sevilla | Spain | (95) 555 82 82 | 1

GOURL | Campinas | Brazil | (11) 555-9482 | 1

GREAL | Eugene | USA | (503) 555-7555 | 1

GRISA | Caracas | Venezuela | (2) 283-2951 | 1

HANAR | Rio de Janeiro | Brazil | (21) 555-0891 | 1

HILAA | San Cristóbal | Venezuela | (5) 555-1340 | 1

HUMSC | Elgin | USA | (583) 555-8874 | 1

HUNSD | Cork | Ireland | 2967 542 | 1

ISLAT | Cowes | UK | (198) 555-8888 | 1

KOENE | Brandenburg | Germany | 0555-09876 | 1

LACOR | Versailles | France | 30.59.84.10 | 1

LAMAI | Toulouse | France | 61.77.61.10 | 1

LAUGB | Vancouver | Canada | (604) 555-3392 | 1

LAZYK | Walla Walla | USA | (509) 555-7969 | 1

LEHMS | Frankfurt a.M. | Germany | 069-0245984 | 1

LETS5 | San Francisco | USA | (415) 555-5938 | 1

LILAS | Barquisimeto | Venezuela | (9) 311-6954 | 1

LINCO | I. de Margarita | Venezuela | (8) 34-56-12 | 1

LONER | Portland | USA | (503) 555-9573 | 1

MIGSA | Bergamo | Italy | 035-660200 | 1

NEISO | Bruxelles | Belgium | (02) 201 24 67 | 1

NEREP | Montréal | Canada | (514) 555-8854 | 1

NORSE | Leipzig | Germany | 0342-023176 | 1

登录用户 aiwa, 查看 view2 中的数据

```

test=> \c test aiwa;
Password for user aiwa:
You are now connected to database "test" as user "aiwa".
test=> select * from view2;

```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROWNEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SIMOB	København	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.68.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2993	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRAIR	Kirkland	USA	(206) 555-8257	2
VAFFE	Århus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
WILNK	Helsinki	Finland	90-224 8858	2

```

(31 rows)

```

在用户 aiwa 中执行删除语句并查看执行后的 view2

```

test-> delete from view2 where customer_id = 'NILMK';
DELETE 1
test-> select * from view2;

```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROMEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SIMOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.68.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRAIH	Kirkland	USA	(206) 555-8257	2
VAFFE	Århus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2

(30 rows)

```

test->

```

在用户 aiwa 时执行插入语句，并查看执行后的 view2;

```

test=> insert into view2(customer_id,city,country,phone,number)
test-> values('xiao','xian','china','18706772679','2');
INSERT 0 1
test=> insert into view2(customer_id,city,country,phone,number)
test-> values('wang','beijing','china','10705939393','1');
INSERT 0 1
test=> select
test-> * from view2;

```

	customer_id	city	country	phone	number
PRIMI		Lisboa	Portugal	(1) 356-5634	2
QUEDE		Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN		Sao Paulo	Brazil	(11) 555-1109	2
QUICK		Cunewalde	Germany	0372-035188	2
RANCH		Buenos Aires	Argentina	(1) 123-5555	2
RATTC		Albuquerque	USA	(505) 555-5939	2
REGGC		Reggio Emilia	Italy	0522-556721	2
RICAR		Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU		Genève	Switzerland	0897-034214	2
ROMEY		Madrid	Spain	(91) 745 6200	2
SANTG		Stavern	Norway	07-98 92 35	2
SAVEA		Boise	USA	(208) 555-8097	2
SEVES		London	UK	(171) 555-1717	2
SIMOB		Kopenhagen	Denmark	31 12 34 56	2
SPECD		Paris	France	(1) 47.55.60.10	2
SPLIR		Lander	USA	(307) 555-4680	2
SUPRD		Charleroi	Belgium	(071) 23 67 22 20	2
THEBI		Portland	USA	(503) 555-3612	2
THECR		Butte	USA	(406) 555-5834	2
TOMSP		Münster	Germany	0251-031259	2
TORTU		México D.F.	Mexico	(5) 555-2993	2
TRADH		Sao Paulo	Brazil	(11) 555-2167	2
TRAZH		Kirkland	USA	(206) 555-8257	2
VAFFE		Århus	Denmark	86 21 32 43	2
VICTE		Lyon	France	78.32.54.86	2
VINET		Reims	France	26.47.15.10	2
WANDK		Stuttgart	Germany	0711-020361	2
WARTH		Oulu	Finland	901-443655	2
WELLI		Resende	Brazil	(14) 555-8122	2
WHITC		Seattle	USA	(206) 555-4112	2
xiao	xiao	xian	china	18706772679	2

(31 rows)

```

test=>

```

登录 yes 用户，查看在 aiwa 用户执行完增删后，yes 用户中对 view1 的影响


```

test=> \c test yes;
Password for user yes:
You are now connected to database "test" as user "yes".
test=> select * from view1;

```

customer_id	city	country	phone	number
ALFKI	Berlin	Germany	030-0074321	1
ANATR	México D.F.	Mexico	(5) 555-4729	1
ANTON	México D.F.	Mexico	(5) 555-3932	1
AROUT	London	UK	(171) 555-7788	1
BERGS	Luleå	Sweden	0921-12 34 65	1
BLAUS	Mannheim	Germany	0621-08460	1
BLOMP	Strasbourg	France	88.60.15.31	1
BOLID	Madrid	Spain	(91) 555 22 82	1
BONAP	Marseille	France	91.24.45.48	1
BOTTN	Tsawassen	Canada	(604) 555-4729	1
BSBEV	London	UK	(171) 555-1212	1
CACTU	Buenos Aires	Argentina	(1) 135-5555	1
CENTC	México D.F.	Mexico	(5) 555-3392	1
CHOPS	Bern	Switzerland	0452-076545	1
CONWI	Sao Paulo	Brazil	(11) 555-7647	1
CONSH	London	UK	(171) 555-2282	1
DRACD	Aachen	Germany	0241-039123	1
DUMON	Nantes	France	40.67.88.88	1
EASTC	London	UK	(171) 555-0297	1
ERNSH	Graz	Austria	7675-3425	1
FAMIA	Sao Paulo	Brazil	(11) 555-9857	1
FISSA	Madrid	Spain	(91) 555 94 44	1
FOLIG	Lille	France	20.16.10.16	1
FOLKO	Brücke	Sweden	0695-34 67 21	1
FRANK	München	Germany	089-0877310	1
FRANR	Nantes	France	40.32.21.21	1
FRANS	Torino	Italy	011-4988268	1
FURIB	Lisboa	Portugal	(1) 354-2534	1
GALED	Barcelona	Spain	(93) 203 4560	1
GODOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Campinas	Brazil	(11) 555-9482	1
GREAL	Eugene	USA	(503) 555-7555	1
GROSR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1348	1
HUNGC	Elgin	USA	(503) 555-6874	1
HUNGO	Cork	Ireland	2967 542	1
ISLAT	Cowes	UK	(198) 555-8888	1
KOENE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	30.59.84.10	1
LANAI	Toulouse	France	61.77.61.10	1
LAUGB	Vancouver	Canada	(604) 555-3392	1
LAZYK	Nalla Wella	USA	(509) 555-7989	1
LEHNS	Frankfurt a.M.	Germany	069-0245964	1
LETSS	San Francisco	USA	(415) 555-5938	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LIMOD	I. de Margarita	Venezuela	(8) 34-56-12	1

2 登录 bob 用户，查看 view3 的数据

```

test=> \c test bob;
Password for user bob:
You are now connected to database "test" as user "bob".
test=# select * from view3;

```

GROSR	Caracas	Venezuela	(2) 283-2951	1
HAMAR	Rio de Janeiro	Brazil	(21) 555-0891	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUMGC	Elgin	USA	(503) 555-6874	1
HUNGO	Cork	Ireland	2967 542	1
ISLAT	Coxes	UK	(198) 555-8888	1
KOENE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	30.59.84.10	1
LAMAI	Toulouse	France	61.77.61.10	1
LAUGB	Vancouver	Canada	(604) 555-3392	1
LAZYK	Walla Walla	USA	(509) 555-7969	1
LEHNS	Frankfurt a.M.	Germany	069-0245984	1
LETSS	San Francisco	USA	(415) 555-5938	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LINCO	I. de Margarita	Venezuela	(8) 34-56-12	1
LOWEP	Portland	USA	(503) 555-9573	1
NAGAA	Bergamo	Italy	035-640230	1
NAISD	Bruxelles	Belgium	(02) 201 24 67	1
NEREP	Montréal	Canada	(514) 555-8054	1
NORGK	Leipzig	Germany	0342-023176	1
NORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
OLDMO	Anchorage	USA	(907) 555-7584	1
OTTIK	K?ln	Germany	0221-0644327	1
PARIS	Paris	France	(1) 42.34.22.66	1
PERIC	México D.F.	Mexico	(5) 552-3745	1
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROWEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.60.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOWSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRACH	Sao Paulo	Brazil	(11) 555-2167	2
TRAIH	Kirkland	USA	(206) 555-8257	2
VAFFE	Prhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
xiao	xian	china	18706772679	2
wang	beijing	china	10705939393	1

90 rows)

test=# \c test

登录 nono 用户，查看 nono 用户管理下的 view3;

```
test=# \c test nono;
Password for user nono:
You are now connected to database "test" as user "nono".
test=> select * from view3;
```

URQSR	Caracas	Venezuela	(2) 203-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0051	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUNSC	Elgin	USA	(508) 555-6874	1
HUNSO	Cork	Ireland	2867 542	1
ISLAT	Cowes	UK	(198) 555-8888	1
KOENR	Brandenburg	Germany	0555-89870	1
LACOR	Versailles	France	30.55.64.10	1
LAMAT	Toulouse	France	61.77.61.10	1
LALSR	Vancouver	Canada	(604) 555-3300	1
LAZYK	Malla Kalla	USA	(509) 555-7369	1
LEHNS	Frankfurt a.M.	Germany	089-8245884	1
LETSS	San Francisco	USA	(415) 555-5936	1
LILAS	Barquisimeto	Venezuela	(9) 331-8964	1
LINDO	T. de Margarita	Venezuela	(8) 34-58-12	1
LONEP	Portland	USA	(503) 555-9573	1
MAGAM	Bergamo	Italy	035-840230	1
MALSO	Bruxelles	Belgium	(82) 201 24 67	1
MEREP	Montréal	Canada	(514) 555-8054	1
MOREK	Leipzig	Germany	0342-023176	1
MORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
OLDNO	Anchorage	USA	(907) 555-7504	1
OTIIX	Köln	Germany	0221-8644227	1
PARIS	Paris	France	(1) 42.34.22.65	1
PERIC	México D.F.	Mexico	(5) 552-5745	1
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunevalde	Germany	0372-805188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5330	2
REGSC	Reggio Emilia	Italy	0522-556721	2
RICLR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-234214	2
RONEY	Madrid	Spain	(91) 745 6220	2
SANTG	Stavenn	Norway	07-98 92 35	2
SAWFA	Reise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINCO	Kobenhavn	Denmark	31 12 34 56	2
SPECO	Paris	France	(1) 47.55.60.10	2
SPLIN	Lander	USA	(307) 555-4580	2
SUPRO	Charleroi	Belgium	(071) 23 67 22 20	2
THEER	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(408) 555-5834	2
TOMXP	Münster	Germany	0251-831259	2
TORTU	México D.F.	Mexico	(5) 555-2803	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRATH	Kirkland	USA	(206) 555-8257	2
VAFFE	Phhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	79.32.54.86	2
VINET	Reims	France	26.47.15.10	2
UANDK	Stuttgart	Germany	0711-009361	2
UARTH	Dulu	Finland	081-443655	2
UELLI	Resende	Brazil	(14) 555-8122	2
WHIIC	Seattle	USA	(206) 555-4112	2
xiao	xian	china	10705772679	2
wang	beijing	china	10705903993	1

(92 rows)

test>

在 nono 用户中进行插入操作，并查看执行完后的 view3

```
test> insert into view3(customer_id,city,country,phone,number)
test-> values('zhao','shanghai','china','1828309308','2');
INSERT 0 1
test> select * from view3
```

HANAR	Rio de Janeiro	Brazil	(21) 555-8091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUNSC	Elgin	USA	(508) 555-6974	1
HUNSO	Cork	Ireland	2067 542	1
ISLAT	Cones	UK	(198) 555-8888	1
KOEKE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	38.59.84.10	1
LAMAZ	Toulouse	France	61.77.61.10	1
LAUSB	Vancouver	Canada	(604) 555-3392	1
LATYK	Walla Walla	USA	(509) 555-7960	1
LEHNS	Frankfurt a.M.	Germany	089-0245884	1
LEISS	San Francisco	USA	(415) 555-9838	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LINDO	El de Margarita	Venezuela	(8) 34-56-12	1
LONEP	Portland	USA	(508) 555-0573	1
NASAA	Bergamo	Italy	035-640230	1
NALSO	Bruxelles	Belgium	(02) 201 24 67	1
NEREP	Montréal	Canada	(514) 555-8054	1
NOROK	Leipzig	Germany	0342-023178	1
NORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 195-5333	1
OLWAO	Anchorage	USA	(907) 555-7584	1
OTLIK	KPIn	Germany	0221-0044327	1
PARIS	Paris	France	(1) 42.34.22.66	1
PERIC	México D.F.	Mexico	(5) 552-3745	1
PRINI	Lisboa	Portugal	(1) 356-5684	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-825188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(506) 555-5939	2
RBSGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
RONEY	Madrid	Spain	(91) 745 6230	2
SANTG	Stavenn	Norway	07-98 92 35	2
SAWFA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SJAKO	Kobenhavn	Denmark	31 12 34 56	2
SPECO	Paris	France	(1) 47.55.68.10	2
SPLIR	Lander	USA	(307) 555-4600	2
SUPRO	Charleroi	Belgium	(071) 23 67 22 20	2
THEBT	Portland	USA	(508) 555-3812	2
THECR	Butte	USA	(406) 555-5834	2
TCWSP	Münster	Germany	0251-031259	2
TCRTU	México D.F.	Mexico	(5) 555-2503	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRATH	Kirkland	USA	(206) 555-8257	2
VAFPP	Frehus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINDT	Reims	France	26.47.13.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Rosendo	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
xiao	xian	china	10708772679	2
wang	beijing	china	10705939390	1
zhao	shanghai	china	1029393303	2

31 rows)

test=> dr

进行删除操作，删掉国籍是 usa 的人的数据，并查看 view3

```
test=> delete from view3 where country = 'USA';
DELETE 15
test=> select * from view3
```

FANJA	Sao Paulo	Brazil	(11) 555-9857	1
FISGA	Madrid	Spain	(91) 555 94 44	1
FOLIG	Lille	France	20.16.18.16	1
FOLKO	Brücke	Sweden	0895-34 67 21	1
FRANK	München	Germany	089-8077310	1
FRANK	Nantes	France	40.32.21.21	1
FRANK	Torino	Italy	011-4988262	1
FURTB	Lisboa	Portugal	(1) 354-2534	1
GALED	Barcelona	Spain	(93) 203 4560	1
GOLOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Campanas	Brazil	(11) 555-9492	1
GROGR	Caracas	Venezuela	(2) 283-2951	1
HAKAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HTLAA	San Cristóbal	Venezuela	(5) 555-1348	1
HUNGO	Cork	Ireland	2967 542	1
ISLAT	Cowes	UK	(199) 555-8888	1
KCENE	Brandenburg	Germany	0555-08876	1
LACOR	Versailles	France	30.59.84.18	1
LAMAT	Toulouse	France	81.77.61.18	1
LALGB	Vancouver	Canada	(604) 555-3392	1
LEHNS	Frankfurt a.M.	Germany	069-8215981	1
LILAS	Barquisimeto	Venezuela	(9) 301-0954	1
LINDO	I. de Margarita	Venezuela	(8) 34-56-12	1
MAGAA	Bergamo	Italy	035-640230	1
MAISO	Bruxelles	Belgium	(02) 281 24 67	1
MEREP	Montréal	Canada	(514) 555-8054	1
NOROK	Leipzig	Germany	0342-023178	1
NORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
OTTIC	Köln	Germany	0221-0644327	1
PARIS	Paris	France	(1) 42.34.22.66	1
PERIC	México D.F.	Mexico	(5) 552-3745	1
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunowalde	Germany	0372-085188	2
RALCH	Buenos Aires	Argentina	(1) 123-5555	2
REDOC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-2412	2
RICSU	Genève	Switzerland	0897-034214	2
RONEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavenn	Norway	87-98 92 35	2
SEVES	London	UK	(171) 555-1717	2
SINOB	Copenhagen	Denmark	31 12 34 58	2
SPECO	Paris	France	(1) 47.95.68.18	2
SUPRO	Charleroi	Belgium	(071) 28 67 22 20	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2953	2
TRAON	Sao Paulo	Brazil	(11) 555-2167	2
WAFPE	Prhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Rafes	France	26.47.15.18	2
WANDK	Stuttgart	Germany	0713-028361	2
WARTH	Oulu	Finland	061-443855	2
WELLI	Resende	Brazil	(14) 555-8122	2
xiao	xian	china	10706772679	2
wang	beijing	china	10705983393	1
zhao	shanghai	china	1829393305	2

(78 rows)

test->

然后切换 bob 用户，查看 view3，发现其管理的视图也发生了改变：

LAPTOP-CUMOGIAC SS				
FANIA	Sao Paulo	Brazil	(11) 555-8057	1
FISSA	Madrid	Spain	(91) 555 54 44	1
FOLIG	Lille	France	20.16.10.16	1
FOLKO	Brücke	Sweden	0695-34 67 22	1
FRANK	München	Germany	809-8677318	1
FRANK	Nantes	France	40.32.21.21	1
FRANS	Torino	Italy	011-4988260	1
FURIE	Lisboa	Portugal	(1) 354 0534	1
GALFO	Barcelona	Spain	(93) 209 4568	1
GOODS	Sevilla	Spain	(95) 555 82 82	1
GDURL	Campinas	Brazil	(11) 555-8062	1
GROSS	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-2091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUKKO	Cork	Ireland	2987 542	1
ISLAT	Cowes	UK	(180) 555-0880	1
KOEWE	Brandenburg	Germany	0535-89678	1
LACOR	Versailles	France	30.59.84.10	1
LANAI	Toulouse	France	61.77.81.10	1
LAXGE	Vancouver	Canada	(604) 555-3992	1
LEHMS	Frankfurt a.M.	Germany	069-0245984	1
LILKS	Barquisimeto	Venezuela	(9) 231-6954	1
LIMCO	I. de Margarita	Venezuela	(8) 34-56-12	1
MAGAA	Bergamo	Italy	035-640230	1
MATED	Bruxelles	Belgium	(02) 201 24 67	1
MEREP	Montréal	Canada	(514) 555-8054	1
MORUK	Leipzig	Germany	0342-023176	1
NORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
OTTIK	Kfhn	Germany	0221 8644327	1
PARIS	Paris	France	(1) 42.34.22.66	1
PERIC	México D.F.	Mexico	(5) 552-3745	1
PRINI	Lisbos	Portugal	(1) 250-9034	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1183	2
QUICK	Cunewalde	Germany	0372-035188	2
RAVCH	Buenos Aires	Argentina	(1) 123-5555	2
REGOC	Reggio Emilia	Italy	0522-956721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Geneve	Switzerland	0697-034214	2
ROWEY	Madrid	Spain	(91) 745 6202	2
SAWTS	Stavenn	Norway	07-08 00 35	2
SEVES	London	UK	(171) 555-1717	2
SINCU	Kobenhavn	Denmark	21 12 34 56	2
SPEED	Paris	France	(1) 47.55.60.10	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
TOMSP	Münster	Germany	0251-081253	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRACH	Sao Paulo	Brazil	(11) 555-2167	2
WAFTE	Ørhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-820861	2
WARTH	Oulu	Finland	961-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
xiao	xian	china	18706772679	2
wang	beijing	china	10706939033	1
zhao	shanghai	china	18208933303	2
(78 rows)				
test->				

在 bob 用户中进行更新操作，并查看更新后的视图

用户	备份	任务	LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
			LINOD	I. de Margarita	Venezuela	(8) 34-56-12	1
视图 view2	编辑视图 view3		MAGAA	Bergamo	Italy	035-640230	1
			MAISD	Bruxelles	Belgium	(02) 201 24 67	1
			MEREP	Montréal	Canada	(514) 555-8054	1
			MORGK	Leipzig	Germany	0342-023176	1
			NORTS	London	UK	(171) 555-7733	1
m			OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
			OTTIK	K?ln	Germany	0221-0644327	1
			PARIS	Paris	France	(1) 42.34.22.66	1
ier1			PERIC	México D.F.	Mexico	(5) 552-3745	1
			PRINI	Lisboa	Portugal	(1) 356-5634	2
er			QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
			QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
			QUICK	Cunewalde	Germany	0372-035188	2
			RANCH	Buenos Aires	Argentina	(1) 123-5555	2
			REGGC	Reggio Emilia	Italy	0522-556721	2
			RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
onitor			RICCU	Genève	Switzerland	0897-034214	2
ad_all_settings			ROMEY	Madrid	Spain	(91) 745 6200	2
ad_all_stats			SANTG	Stavern	Norway	07-98 92 35	2
at_scan_tables			SEVES	London	UK	(171) 555-1717	2
gnal_backend			SIMOB	Kobenhavn	Denmark	31 12 34 56	2
ad_server_files			SPECD	Paris	France	(1) 47.55.60.10	2
rite_server_files			SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
ecute_server_program			TOMSP	Münster	Germany	0251-031259	2
c			TORTU	México D.F.	Mexico	(5) 555-2933	2
			TRADH	Sao Paulo	Brazil	(11) 555-2167	2
			VAFFE	?rhus	Denmark	86 21 32 43	2
			VICTE	Lyon	France	78.32.54.86	2
			VINET	Reims	France	26.47.15.10	2
			WANDK	Stuttgart	Germany	0711-020361	2
			WARTH	Oulu	Finland	981-443655	2
			WELLI	Resende	Brazil	(14) 555-8122	2
			wang	beijing	china	10705939393	1
			zhao	shanghai	china	1829393303	2
			xia	beijing	china	192293494	2
			liu	changchun	china	15191423356	1
			(79 rows)				
			test=# update view3 set city ='xian' where customer_id = 'xia';				
			UPDATE 1				
			test=# update view3 set phone ='18706772679' where customer_id = 'xia';				
			UPDATE 1				
			test=#				

TRADH	Sao Paulo	Brazil	(11) 555-2167	2
VAFFE	?rhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
wang	beijing	china	10705939393	1
zhao	shanghai	china	1829393303	2
liu	changchun	china	15191423356	1
xia	xian	china	18706772679	2
(79 rows)				

切换 nono 用户，查看视图，发现 nono 用户管理下的视图也发生了改变。

```
test=# \c test nono;
```

```
Password for user nono:
```

```
You are now connected to database "test" as user "nono".
```

```
test=> select * from view3;
```

customer_id	city	country	phone	number
ALFKI	Berlin	Germany	030-0074321	1
ANATR	México D.F.	Mexico	(5) 555-4729	1
ANTON	México D.F.	Mexico	(5) 555-3932	1
AROUT	London	UK	(171) 555-7788	1
BERGS	Luleå	Sweden	0921-12 34 65	1
BLAUS	Mannheim	Germany	0621-08460	1
BLONP	Strasbourg	France	88.60.15.31	1
BOLID	Madrid	Spain	(91) 555 22 82	1
BONAP	Marseille	France	91.24.45.40	1
BOTTM	Tsawassen	Canada	(604) 555-4729	1
BSBEV	London	UK	(171) 555-1212	1
CACTU	Buenos Aires	Argentina	(1) 135-5555	1
CENTC	México D.F.	Mexico	(5) 555-3392	1
CHOPS	Bern	Switzerland	0452-076545	1
COMMI	Sao Paulo	Brazil	(11) 555-7647	1
CONSH	London	UK	(171) 555-2282	1
DRACD	Aachen	Germany	0241-039123	1
DUMON	Nantes	France	40.67.88.88	1
EASTC	London	UK	(171) 555-0297	1
ERNSH	Graz	Austria	7675-3425	1
FAMIA	Sao Paulo	Brazil	(11) 555-9857	1
FISSA	Madrid	Spain	(91) 555 94 44	1
FOLIG	Lille	France	20.16.10.16	1
FOLKO	Brücke	Sweden	0695-34 67 21	1
FRANK	München	Germany	089-0877310	1
FRANR	Nantes	France	40.32.21.21	1
FRANS	Torino	Italy	011-4988260	1
FURIB	Lisboa	Portugal	(1) 354-2534	1
GALED	Barcelona	Spain	(93) 203 4560	1
GODOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Campinas	Brazil	(11) 555-9482	1
GROSR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUNGO	Cork	Ireland	2967 542	1

WELLI	Resende	Brazil	(14) 555-8122	2
wang	beijing	china	10705939393	1
zhao	shanghai	china	1829393303	2
liu	changchun	china	15191423356	1
xia	xian	china	18706772679	2

```
(79 rows)
```


3 登录用户 yes, 查看 view1 中的数据

数据库(D) 窗口(W) 帮助(H)

表 视图 函数 用户 备份 任务

数据库 view2

基本属性 权限 用户 角色 用户角色列表 权限列表

用户
system
sao
sso
micaher1
bob
miaher
aiwa
yes
nono
角色
pg_monitor
pg_read_all_settings
pg_read_all_stats
pg_stat_scan_tables
pg_signal_backend
pg_read_server_files
pg_write_server_files
pg_execute_server_program
public

21009201006
夏雨轩
数据库第二次实验

LAPTOP:CUMOGIAC

test@lc test yes
Password for user yes:
You are now connected to database "test" as user "yes".
test-> select * from view1;

customer_id	city	country	phone	number
ALFKI	Berlin	Germany	030-0074321	1
ANATR	México D.F.	Mexico	(5) 555-4729	1
ANTON	México D.F.	Mexico	(5) 555-3909	1
ASOUT	London	UK	(171) 555-7788	1
BERGS	Luleå	Sweden	0921-12 34 65	1
BLAUS	Mannheim	Germany	0621-08460	1
BOLID	Strasbourg	France	88 60 15 51	1
BOLID	Madrid	Spain	(91) 555 22 82	1
BONAP	Marseille	France	91 24 45 40	1
BOTTN	Tsawassen	Canada	(604) 555-4729	1
BISBY	London	UK	(171) 555-1212	1
CACTU	Buenos Aires	Argentina	(1) 115-5555	1
CENTC	México D.F.	Mexico	(5) 555-3392	1
CHOPS	Bern	Switzerland	0452-076545	1
CONRE	Sao Paulo	Brazil	(11) 555-7667	1
CONSH	London	UK	(171) 555-2282	1
DRACD	Aachen	Germany	0241-059123	1
DUNCN	Nantes	France	40 67 88 88	1
EASTC	London	UK	(171) 555-0297	1
ERNSH	Graz	Austria	7675-3426	1
FANZA	Sao Paulo	Brazil	(11) 555-9857	1
FISSA	Madrid	Spain	(91) 555 94 44	1
FOLIO	Lille	France	20 16 10 16	1
FOLIO	Bricks	Sweden	0855-14 67 21	1
FRANK	München	Germany	089-0877310	1
FRANK	Nantes	France	40 32 21 21	1
FRANS	Torino	Italy	011-4988268	1
FURIB	Lisboa	Portugal	(1) 354-2524	1
GALED	Barcelona	Spain	(92) 203 4560	1
GODOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Cominas	Brazil	(11) 555-4482	1
GREAL	Eugene	USA	(503) 555-7935	1
GROOR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1348	1
HUNGC	Elgin	USA	(515) 555-6874	1
HUNGO	Cork	Ireland	2367 542	1
ISLAT	Cowes	UK	(198) 555-8888	1
KOEBE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	30 59 84 10	1
LAMAI	Toulouse	France	61 77 61 10	1
LAUGB	Vancouver	Canada	(604) 555-3390	1
LACPK	Walla Walla	USA	(509) 555-7969	1
LEWRS	Frankfurt a.M.	Germany	069-0245904	1
LETSS	San Francisco	USA	(415) 555-5098	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LIMCO	I. de Margarita	Venezuela	(8) 34-96-12	1
LONBP	Portland	USA	(503) 555-9573	1
NAGAA	Bergamo	Italy	035-640230	1
NAISO	Bruxelles	Belgium	(02) 201 24 67	1
NEREP	Montréal	Canada	(514) 555-8854	1
NORIK	Leipzig	Germany	0342-023176	1

登录用户 aiwa, 查看 view2 中的数据

```

test=> \c test aiwa;
Password for user aiwa:
You are now connected to database "test" as user "aiwa".
test=> select * from view2;

```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROWNEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.68.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRAZH	Kirkland	USA	(206) 555-8257	2
VAFFE	Þrhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
WILMK	Helsinki	Finland	90-224 8858	2

```

(31 rows)

```

在用户 aiwa 中执行删除语句并查看执行后的 view2

```

test=> delete from view2 where customer_id = 'WILMK';
DELETE 1
test=> select * from view2;

```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROWNEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.68.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRAZH	Kirkland	USA	(206) 555-8257	2
VAFFE	Þrhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2

```

(30 rows)

test=>

```

在用户 aiwa 时执行插入语句，并查看执行后的 view2;

```
test=> insert into view2(customer_id,city,country,phone,number)
test-> values('xiao','xian','china','18706772679','2');
INSERT 0 1
test=> insert into view2(customer_id,city,country,phone,number)
test-> values('wang','beijing','china','10705939393','1');
INSERT 0 1
test=> select
test-> * from view2;
```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
RATTC	Albuquerque	USA	(505) 555-5939	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROMEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SIMOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.60.10	2
SPLIR	Lander	USA	(307) 555-4680	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
THEBI	Portland	USA	(503) 555-3612	2
THECR	Butte	USA	(406) 555-5834	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
TRAZH	Kirkland	USA	(206) 555-8257	2
VAFFE	Prhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.06	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
xiao	xian	china	18706772679	2

(31 rows)

```
test=>
```

登录 yes 用户，查看在 aiwa 用户执行完增删后，yes 用户中对 view1 的影响

```

test=> \c test yes;
Password for user yes:
You are now connected to database "test" as user "yes".
test=> select * from view1;

```

customer_id	city	country	phone	number
ALFKI	Berlin	Germany	030-0074321	1
ANATR	México D.F.	Mexico	(5) 555-4729	1
ANTON	México D.F.	Mexico	(5) 555-3932	1
AROUT	London	UK	(171) 555-7788	1
BERGS	Luleå	Sweden	0921-12 34 65	1
BLAUS	Mannheim	Germany	0621-08460	1
BLOMP	Strasbourg	France	88.60.15.31	1
BOLID	Madrid	Spain	(91) 555 22 82	1
BONAP	Marseille	France	91.24.45.48	1
BOTTN	Tsawassen	Canada	(604) 555-4729	1
BSBEV	London	UK	(171) 555-1212	1
CACTU	Buenos Aires	Argentina	(1) 135-5555	1
CENTC	México D.F.	Mexico	(5) 555-3392	1
CHOPS	Bern	Switzerland	0452-076545	1
CONWI	Sao Paulo	Brazil	(11) 555-7647	1
CONSH	London	UK	(171) 555-2282	1
DRACD	Aachen	Germany	0241-039123	1
DUMON	Nantes	France	40.67.88.88	1
EASTC	London	UK	(171) 555-0297	1
ERNSH	Graz	Austria	7675-3425	1
FAMIA	Sao Paulo	Brazil	(11) 555-9857	1
FISSA	Madrid	Spain	(91) 555 94 44	1
FOLIG	Lille	France	20.16.10.16	1
FOLKO	Brücke	Sweden	0695-34 67 21	1
FRANK	München	Germany	089-0877310	1
FRANR	Nantes	France	40.32.21.21	1
FRANS	Torino	Italy	011-4988268	1
FURIB	Lisboa	Portugal	(1) 354-2534	1
GALED	Barcelona	Spain	(93) 203 4560	1
GODOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Campinas	Brazil	(11) 555-9482	1
GREAL	Eugene	USA	(503) 555-7555	1
GROSR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1348	1
HUNGC	Elgin	USA	(503) 555-6874	1
HUNGO	Cork	Ireland	2967 542	1
ISLAT	Cowes	UK	(198) 555-8888	1
KOENE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	30.59.84.10	1
LANAI	Toulouse	France	61.77.61.10	1
LAUGB	Vancouver	Canada	(604) 555-3392	1
LAZYK	Nalla Wella	USA	(509) 555-7969	1
LEHNS	Frankfurt a.M.	Germany	069-0245964	1
LETSS	San Francisco	USA	(415) 555-5938	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LIMOD	I. de Margarita	Venezuela	(8) 34-56-12	1

在 view1 中进行更新操作，并查看更新后的结果

终端

LAPTOP-CUMOGIAC

备份

任务

编辑视图 view3

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GODOS	Sevilla	Spain	(95) 555 82 82	1
GOURL	Campinas	Brazil	(11) 555-9482	1
GROSR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1
HUNGO	Cork	Ireland	2967 542	1
ISLAT	Cowes	UK	(198) 555-8888	1
KOENE	Brandenburg	Germany	0555-09876	1
LACOR	Versailles	France	30.59.84.10	1
LAMAI	Toulouse	France	61.77.61.10	1
LAUGB	Vancouver	Canada	(604) 555-3392	1
LEHMS	Frankfurt a.M.	Germany	069-0245984	1
LILAS	Barquisimeto	Venezuela	(9) 331-6954	1
LINOD	I. de Margarita	Venezuela	(8) 34-56-12	1
MAGAA	Bergamo	Italy	035-640230	1
MAISD	Bruxelles	Belgium	(02) 201 24 67	1
MEREP	Montréal	Canada	(514) 555-8054	1
MORGK	Leipzig	Germany	0342-023176	1
NORTS	London	UK	(171) 555-7733	1
OCEAN	Buenos Aires	Argentina	(1) 135-5333	1
OTTIK	K?ln	Germany	0221-0644327	1
PARIS	Paris	France	(1) 42.34.22.66	1
PERIC	México D.F.	Mexico	(5) 552-3745	1
wang	beijing	china	10705939393	1
liu	wenzhou	china	3464545445	1

(54 rows)

test=> update view1 set city = changchun where customer_id = 'liu';

错误错误: 字字段段 "changchun

LINE 1: update view1 set city = changchun where customer_id = 'liu';

^

test=> update view1 set city = ' changchun' where customer_id = 'liu';

UPDATE 1

test=> update view1 set phone = '15191423356' where customer_if='liu';

错误错误: 语语法法错误错误 在在 "upd

LINE 1: upddate view1 set phone = '15191423356' where customer_if='l...

^

test=> update view1 set phone = '15191423356' where customer_if='liu';

错误错误: 字字段段 "customer_if

LINE 1: upddate view1 set phone = '15191423356' where customer_if='li...

^

HINT: 也也许许您您想想要要引引用用列列"view

test=> update view1 set phone = '15191423356' where customer_id='liu';

UPDATE 1

test=>

test=> select * from view1;

wang	beijing	china	10705939393	1
liu	changchun	china	15191423356	1

(54 rows)

test=>

登录用户 aiwa, 在 view2 中查看更新后对 view2 的影响

```
test=> \c test aiwa;
Password for user aiwa:
You are now connected to database "test" as user "aiwa".
test=> select * from view2;
```

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
QUEEN	Sao Paulo	Brazil	(11) 555-1189	2
QUICK	Cunewalde	Germany	0372-035188	2
RANCH	Buenos Aires	Argentina	(1) 123-5555	2
REGGC	Reggio Emilia	Italy	0522-556721	2
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	2
RICSU	Genève	Switzerland	0897-034214	2
ROMEY	Madrid	Spain	(91) 745 6200	2
SANTG	Stavern	Norway	07-98 92 35	2
SEVES	London	UK	(171) 555-1717	2
SIMOB	Kobenhavn	Denmark	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.60.10	2
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2
TOMSP	Münster	Germany	0251-031259	2
TORTU	México D.F.	Mexico	(5) 555-2933	2
TRADH	Sao Paulo	Brazil	(11) 555-2167	2
VAFFE	?rhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
WANDK	Stuttgart	Germany	0711-020361	2
WARTH	Oulu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
zhao	shanghai	china	1829393303	2
xia	beijing	china	192293494	2

(25 rows)

```
test=> █
```

4 作业诚信承诺

本报告是我个人独立完成的, 并非从网上或从其他同学及从其他来源获取得到的, 报告中引用他人的成果、数据、观点均已一一注明出处。

承诺人电子签名:

夏雨轩.