《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,相互之间互不千扰。(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況: 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),將视图分给 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

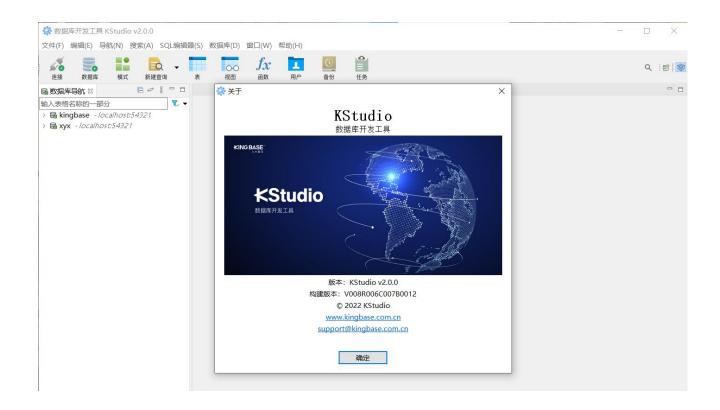
鄭 主板	ASUSTeK COMPUTER INC. FX506HM
⊚ CPU	11th Gen Intel(R) Core(TM) i7-11800H @ 2.30GHz 8核
■ 显卡	NVIDIANVIDIA GeForce RTX 3060 Laptop GPU 6GB
内存	16GB (Micron Technology 3200MHz)
■硬盘	NVMe HFM512GD3JX013N (477GB)
新 系统	Windows 10 X64
	默认监视器

2.2 软件配置

2.2.1 操作系统



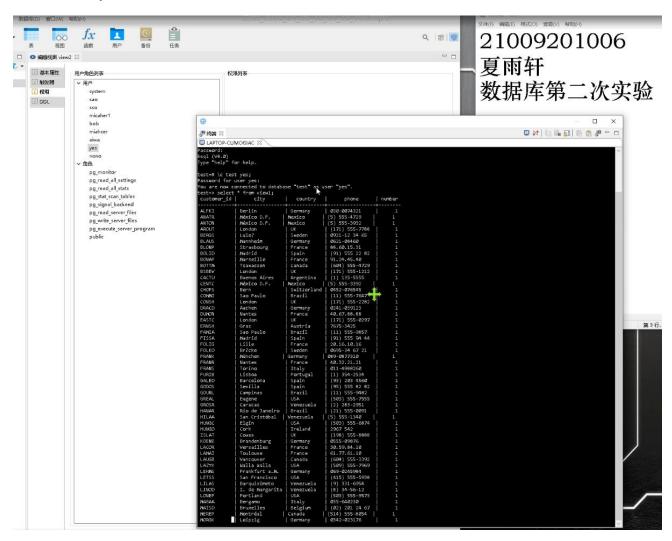
2.2.2 数据库软件和版本



3 实验步骤和抓图

3. 1

登录用户 yes, 查看 viewl 中的数据



登录用户 aiwa, 查看 view2 中的数据

customer_id	* from view2; city	country	phone	
PRINI	Lisboa	Portugal	(1) 356-5634	
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	
DUEEN	Sao Paulo	Brazil	(11) 555-1189	
DUICK	Cunewalde	Germany	0372-035188	
RANCH	Buenos Aires	Argentina	(1) 123-5555	
RATTC	Albuquerque	USA	(505) 555-5939	
REGGC	Reggio Emilia	Italy	0522-556721	
RICAR	Rio de Janeiro	Brazil	(21) 555-3412	
RICSU	Genève	Switzerland		ı
RONEY	Madrid	Spain	(91) 745 6280	
SANTG	Stavern	Norway	07-98 92 35	
SAVEA	Boise	USA	(208) 555-8897	
SEVES	London	UK	(171) 555-1717	
SINCE	Kobenhavn	Denmark	31 12 34 56	
SPECD	Paris	France	(1) 47.55.68.10	
SPLIR	Lander	USA	(307) 555-4680	
SUPRD	Charleroi	Belgium	(071) 23 67 22 20	
THEBI	Portland	USA	(503) 555-3612	
THECR	Butte	USA	(406) 555-5834	
TOMSP	Münster	Germany	0251-031259	١
TORTU	México D.F.	Mexico	(5) 555-2933	i
TRADH	Sao Paulo	Brazil	(11) 555-2167	
TRAIH	Kirkland	USA	(206) 555-8257	
VAFFE	∂rhus	Denmank	86 21 32 43	
VICTE	Lyon	France	78.32.54.86	
VINET	Reims	France	26.47.15.10	
MANDK	Stuttgart	Germany	0711-020361	
WARTH	Culu	Finland	981-443655	
MELLI	Resende	Brazil	(14) 555-8122	
WHITC	Seattle	USA	(206) 555-4112	
MILNK	Helsinki	Finland	90-224 8858	

在用户 aiwa 中执行删除语句并查看执行后的 view2

customer_	id city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de laneiro	Brazil	(21) 555-4252	2
OUEEN	Sao Paulo	Brazil	(11) 555-1189	2
OUICK	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		2
ROMEY	Madrid	Spain	(91) 745 6280	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8897	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	8251-831259	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	?rhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
MANDK	Stuttgert	Germany	0711-020361	2
WARTH	Culu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2

在用户 aiwa 时执行插入语句,并查看执行后的 view2;

```
:est=> insert into viex2(customer_id,city,country,phone,number)
:est-> values('xiao','xian','china','18706772679','2');
INSERT 0 1
 test=> insert into view2(customer_id,city,country,phone,number)
test-> values('wang','beijing','china','18705939393','1');
test=> select
test-> * from view2;
 customer id
                         city
                                           country
                                                                  phone
                                                                                  number
                                                           (1) 356-5634
(21) 555-4252
 PRINI
                   Lisboa
                                         Portugal
                   Rio de Janeiro
 QUEDE
                                         Brazil
                   Sao Paulo
                                         Brazil
                                                           (11) 555-1189
 QUEEN
                                                           0372-035188
 QUICK
                   Cunewalde
                                         Germany
 RANCH
                   Buenos Aires
                                         Argentina
                                                           (1) 123-5555
                                                          (505) 555-5939
0522-556721
 RATTC
                   Albuquerque
                                        Italy
Brazil
                   Reggio Emilia
 REGGC
                   Rio de Janeiro
                                                          (21) 555-3412
 RICAR
 RICSU
                   Genève
                                        Switzerland |
                                                         0897-034214
 ROHEY
                   Madrid
                                         Spain
                                                          (91) 745 6280
                                         Norway
 SANTG
                                                           07-98 92 35
                   Stavern
                                                           (208) 555-8097
(171) 555-1717
31 12 34 56
 SAVEA
                   Boise
                                        USA
 SEVES
                                         UK
                   London
 SIMO
                   Kobenhavn
                                        Dermark
                                                           (1) 47.55.60.10
                                         France
 SPECD
                   Paris
                                                                                           222
                                                           (307) 555-4680
(071) 23 67 22 20
(503) 555-3612
 SPLIR
                                        USA
                   Lander
 SUPRD
                   Charleroi
                                         Belgium
                   Portland
 THEBI
                                        USA
                                                         (406) 555-5834
0251-031259
                                        USA
 THECR
                   Butte
                                                                                           2
 TOMSP
                                       Germany
                   Münster
 TORTU
                   México D.F.
                                                          (5) 555-2933
                                       Mexico
                                                           (11) 555-2167
                   Sao Paulo
Kirkland
 TRADH
                                        Brazil
                                                          (206) 555-8257
86 21 32 43
78.32.54.86
                                        USA
 TRAIH
 VAFFE
                                        Dermark
                   ?rhus
 VICTE
                   Lyon
                                         France
                                                           26.47.15.10
 VINET
                   Reims
                                         France
                                        Germany
Finland
 MANDK
                   Stuttgart
                                                           0711-020361
                                                           981-443655
 WARTH
                   Culu
                   Resende
                                                           (14) 555-8122
 MELLI
                                         Brazil
                                                           (206) 555-4112
 WHITC
                                        USA.
                   Seattle
 xíao
(31 roxs)
                                        china
test=>
```

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

```
test=> \c test yes;
Password for user yes:
You are now connected to database "test" as user "yes".
test=> select * from viewl;
                     city
customer id |
                                         country
                                                             phone
                                                                          number
ALFKI
                 Berlin
                                                      030-0074321
                                     Germany
                                                      (5) 555-4729
(5) 555-3932
(171) 555-7788
0921-12 34 65
0621-06460
ANATR
                 México D.F.
                                     Nexico
ANTON
                 México D.F.
                                     Nexico
 ARCUIT
                 London
                                      THE
                 Lule?
BERGS
                                      Sweden
BLAUS
                 Mannheim
                                      Germany
                                                       88.60.15.31
BLONE
                 Strasbourg
                                      France
                 Madrid
BOLID
                                      Spain
                                                       (91) 555 22 82
                                                      (91) 353 22 82
91.24.45.48
(684) 555-4729
(171) 555-1212
(1) 135-5555
(5) 555-3392
0452-076545
                 Marseille
BONAP
                                      France
                                      Canada
UK
BOTTM
                 Tsawassen
BSBEV
                 London
                                     Argentina
Nexico
                 Buenos Aires
CACTU
CENTO
                 México D.F.
                                      Switzerland
CHOPS
                 Bern
                                                       (11) 555-7647
COMMI
                 Sao Paulo
                                      Brazil
 CONSH
                 London
                                      UK
                                                       (171) 555-2282
                                                       0241-039123
 DRACD
                 Aachen
                                      Germany
                                                      40.67.88.88
(171) 555-8297
DUNCN
                 Nantes
                                      France
 EASTC
                 London
                                      UK.
                                                       7675-3425
(11) 555-9857
ERNSH
                 Graz
                                      Austria
 FAMIA
                 Sao Paulo
                                      Brazil
                                                       (91) 555 94 44
FISSA
                 Madrid
                                      Spain
 FOLIG
                 Lille
                                      France
                                                       20.16.10.16
FOLKO
                 Br∂cke
                                      Sweden
                                                       0695-34 67 21
FRANK
                 München
                                     Germany
                                                      069-0677310
FRANK
                 Nantes
                                      France
                                                      40.32.21.21
 FRANS
                 Torino
                                      Italy
                                                       011-4988260
 FURIB
                 Lisboa
                                      Portugal
                                                       (1) 354-2534
                                                       (93) 283 4560
(95) 555 82 82
 GALED
                 Barcelona
                                      Spain
                                      Spain
 GODOS
                 Sevilla
 GOURL
                 Campinas
                                      Brazil
                                                       (11) 555-9482
 GREAL
                 Eugene
                                      USA
                                                       (503) 555-7555
 GROSE
                                       Venezuela
                                                       (2) 283-2951
 HANAR
                 Rio de Janeiro
                                      Brazil
                                                       (21) 555-0891
 HILAA
                 San Cristóbal
                                     Venezuela
                                                      (5) 555-1340
                                                      (503) 555-6874
2967 542
 HUNGO
                 Elgin
                                      USA
 HUNGO
                                      Ireland
                 Cork
 ISLAT
                 Coves
                                                       (198) 555-8888
 KOENE
                 Brandenburg
                                      Germany
                                                       0555-09876
 LACOR
                 Versailles
                                                       30.59.84.18
                                      France
 LAHAI
                                      France
                                                       61.77.61.18
                 Toulouse
                                                       (684) 555-3392
(589) 555-7969
 LAUGB
                 Vancouver
                                      Canada
 LAZYK
                 Walla Walla
                                      USA
 LEHMS
                 Frankfurt a.M.
                                      Germany
                                                       069-0245984
 LETSS
                                                       (415) 555-5938
                 San Francisco
                                      USA
                                                       (9) 331-6954
(8) 34-56-12
 LILAS
                 Barquisimeto
                                      Venezuela
 LINCO
                 I. de Margarita
                                      Venezuela
```

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 vieu3;
```

OSR	Caracas	Venezuela	(2) 283-2951	!	1	
NAR	Rio de Janeiro	Brazil	(21) 555-0091		1	
LAA	San Cristóbal	Venezuela	(5) 555-1348	Τ,	1	
INGC	Elgin	USA	(503) 555-6874	4	1	
NGO	Conk	Ireland	2967 542		1	
LAT	Coxes	UK	(198) 555-8888	4	1	
ENE	Brandenburg	Germany	0555-09876		1	
COR	Versailles	France	30.59.84.10		1	
MAI	Toulouse	France	61.77.61.10	1	1	
UGB	Vancouver	Canada	(684) 555-3392		1	
ZYK	Walla Walla	USA	(589) 555-7969	T.	1	
HMS	Frankfurt a.M.	Germany	069-0245984		1	
TSS	San Francisco	USA	(415) 555-5938	1	1	
LAS	Barquisimeto	Venezuela	(9) 331-6954	1	1	
OOM	I. de Margarita	Venezuela	(8) 34-56-12	1	1	
NEP	Portland	USA	(503) 555-9573	1	1	
AA	Bergamo	Italy	035-640230	1	1	
ISD	Bruxelles	Belgium	(02) 201 24 67	- 1	1	
REP	Montréal	Canada	(514) 555-8854	a" -	1	
RGK	Leipzig	Germany	0342-023176	3.7	1	
	Leipzig	UK		4	1	
RTS			(171) 555-7733	1		
EAN	Buenos Aires	Argentina	(1) 135-5333	4	1	
DMO	Anchorage	USA	(987) 555-7584	,	1	
TIK	K?1n	Germany	0221-0644327		1	
RIS	Paris	France	(1) 42.34.22.66		1	
RIC	México D.F.	Mexico	(5) 552-3745	100	1	
INI	Lisboa	Portugal	(1) 356-5634		2	
IEDE	Rio de Janeiro	Brazil	(21) 555-4252	.1	2	
EEN	Sao Paulo	Brazil	(11) 555-1189	1	2	
ICK	Cunewalde	Germany	0372-035188		2.	
NCH	Buenos Aires	Argentina	(1) 123-5555	1	2	
TTC	Albuquerque	AZU	(505) 555-5939	3	2	
GGC	Reggio Emilia	Italy	Ø522-556721	i i	2	
CAR	Rio de Janeiro	Brazil	(21) 555-3412		2	
CSU	Genève	Switzerland		4.	2	
MEY	Madrid	Spain	(91) 745 6200	° 1	2	
NTG	Stavern	Norway	07-98 92 35		2	
VEA	Boise	USA	(208) 555-8097		2	
VES	London	UK	(171) 555-1717		2	
MOB	Kobenhavn	Denmark	31 12 34 56		2	
ECD	Paris	France	(1) 47.55.60.18	3	2	
LIR	Lander	USA	(307) 555-4680		2	
PRD	Charleroi	Belgium	(071) 23 67 22 20	,	2	
EBI	Portland	USA	(503) 555-3612		2	
ECR	Butte	USA	(486) 555-5834	ا ب	2	
1SP	Münster	Germany	0251-031259		2	
RTU	México D.F.	Nexico	(5) 555-2933		2	
ADH	Sao Paulo	Brazil	(11) 555-2167		2	
AIH	Kirkland	USA	(286) 555-8257		2	
FFE	∂rhus	Denmark	86 21 32 43	T	2	
TE	Lyon	France	78.32.54.86		2	
ET	Reims	France	26.47.15.10		2	
DK	Stuttgart	Germany	0711-020361	ĺ	2	
TH	Oulu	Finland	981-443655	1	2	
LI	Resende	Brazil	(14) 555-8122	1	2 2	
TC	Seattle	USA	(206) 555-4112	1	2	
				3	2	
ao	xian	china	18706772679			
ng	beijing	china	10705939393		1	
rows)	*					

登录 nono 用户, 查看 nono 用户管理下的 view3;

```
test=# \c test none;
Password for user none:
You are now connected to database "test" as user "none".
test=> select * from view3;
```

900m 30					9 M 1 8
LAPTOP-0	UMOGIAC 33				
ROSR	Caracas	Venezuela	(2) 283-2951	1	
ANAR	Rio de Janeiro	Brazil	(21) 555-0091	1	
ILAA	San Cristóbal	Venezuela	(5) 555-1340		
LNSC	Elgin	USA	(503) 555-6874		
NSO	Conk	Ireland	2967 542		
SLAT	Coxes	UK	(198) 555-8888		
CENE	Drandenburg	Germany	0555-89876		
ACOR	Versailles	France	30.59.64.10	1	
HAI	Toulouse	France	61.77.61.10	1	
ALISB AZYK	Vancouver	Canada	(604) 555-3390		
	Wells Wells Frankfurt a.M.	USA	(509) 555-7969 089-0245964		
HMS TSS	San Francisco	Germany	(415) 555-5938	1	
ILAS	Barquisimeto	Venezuela	(9) 331-6964	1	
INOD	I. de Margarita	Venezuela	(8) 34-56-12	1	
ONEP	Portland	USA	(503) 555-9573		
KSAA	Bengamo	Italy	835-648238		
AISO	Bruxelles	Delgium	(82) 281 24 67	1	
EREP	Montréal	Canada	(514) 555-8654	1	
NSK.	Leipzig	Germany	0342-023176	1	
DATS	Lenden	LIK	(171) 555-7733		
CEAN	Buenos Aires	Argentina	(1) 135-5333		
DNC	Anchorage	USA	(907) 555-7504		
TIK	K21n	Germany	0221-8644327		
RIS	Paris	France	(1) 42.34.22.66		
ERIC	Hárden D.F.	Marico	(5) 552-3745		
TWI	Lisboa	Portugal	(1) 356-5634		
JEDE	Rio de Jameiro	Brazil	(21) 555-4252		
LEEN	Seo Paulo	Drazil	(11) 555-1199		
IICK	Cunewalde	Germany	@372-@35168	2	
ANCH	Buenes Aires	Argentina	(1) 123-5555	2	
ATTC	Albuquerque	USA	(505) 555-5639		
595C	Reggio Emilia Rio de Janeiro	Italy Brazil	8522-556721		
ICAR ICSU	Senève	Switzerland	(21) 555-3412 0997-234214	2 2	
HEY	Badrid	Spain	(91) 745 6220	2	
ANTG	Stavern	Norway	27-98 92 35	2	
/FA	Boise	USA	(208) 555-8097	2	
VES	London	UK	(171) 555-1717	2	
MOG	Kobenhavn	Denmark	31 12 34 56	2	
ECD	Paris	France	(1) 47.55.62.12	2	
LIR	Lander	USA	(307) 555-4680	2	
PRO	Charleroi	Belgium	(071) 23 67 22 20	2	
EBI	Portland	USA	(503) 555-3612		
ECR	Butte	USA	(466) 555-5834	2	
MSP	Nünster	Germany	6251-201259		
DRTU	México D.F.	hexico	(5) 555-2983		
ADH	Sao Paulo	Brazil	(11) 555-2167	2	
RATH	Kirkland	USA	(206) 555-8257		
FFE	Prhus	Denmark	86 21 32 43		
CTE	Lyon	France	79.32.54.66		
NET	Reims	France	26.47.15.10	2	
NDK	Stuttgart	Germany	2711-022361	2	
ARTH	Dalo	Finland	981-443655	2	
LLI	Resende	Brazil	(14) 555-8122		
ITC	Seattle	USA	(206) 555-4112		
ao	xian	china	19705772579	2	
ng	beijing	china	18705939393	1	
rows)	k				
	-				

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=> walues('zhao','shanghai','china','1828398308','2');
IMSERT 0 1
test=> select * from view3
```

Elgin	Rio de Janeiro		(21) 555-0091	1	
Cork	San Cristóbal	Venezuela	(5) 555-1340		
Comes					
Branderburg Germany 0555-89876 1					
Vensailles		Company of the Compan			
Toulouse					
Section Canada					
Malla Walla USA (500) 555-7960 1					
Frankfurt a.M. Germany 089-0245904 1 1 25 25 25 25 25 25					
San Francisco	The second secon				
AS Barquisimeto Venezuela (9) 331-6954 1 D. d. Hangarita Venezuela (9) 34-56-12 1 EP Pentland USA (508) 555-0573 1 AA Bargamo Italy 035-840230 1 SD Brustelles Belgium (02) 261 24 67 1 EP Montriel Canada (514) 355-8053 1 EP Montriel Canada (514) 355-8053 1 EN Leipzig Germany 0342-023176 1 EN Leipzig Germany 0342-023176 1 EN Lendon UK (171) 555-7733 1 AN Buenes Aires Argentina (1) 135-5333 1 EN Anchorage USA (907) 555-7584 1 EN RPIn Germany 0221-804427 1 EN FRIn Germany 0221-804427 1 EN Hérico D.F. Herico (3) 552-3745 1 EN Hérico D.F. Herico (3) 552-3745 1 EN Listea Pertugal (1) 356-5634 2 EN Sao Paulo Brazil (21) 555-4252 2 EN Sao Paulo Brazil (11) 555-1189 2 EN Sao Paulo Brazil (11) 555-1189 2 EN Sao Paulo Brazil (11) 555-1189 2 EN Buenes Aires Argentina (1) 123-5555 2 EN Buenes Aires Argentina (1) 123-5555 2 EN Buenes Aires Argentina (21) 555-3412 2 EN ABridd Tally 0522-586701 2 EN AR Rio de Jameiro Brazil (21) 555-3412 2 EY Badrid Spain (91) 745-6280 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Endon UK (174) 555-1717 2 EN Robenhavn Denmark 31 12 34-56 2 EN Robenhavn Denmark 31 12 34-56 2 EN Robenhavn Denma		The state of the s			
I. de Nangarite Venezuela (8) 34-56-12 1					
Pertland					
### Bergano					
Bruzelles Belgium (82) 201 24 67 1					
Nontréal Canada (514) 555-8054 1	Contract Manager		Mark Market Co.		
Lefipzig Germany 0342-029176 1					
Section UK (171) 555-7733 1					
### Busnes Aires					
Anchonage USA (907) 555-7584 1 K R2In Germany (221-8044)27 1 IS Parts France (1) 42.04.22.65 1 IC Mérico D.F. Merico (3) 552-3745 1 IC Lisbea Pertugal (1) 356-5634 2 IC Rio de Jameiro Brazil (21) 555-4252 2 EM Sao Paulo Brazil (11) 555-1189 2 IC Cunewalde Germany (372-805188 2 IC Albuquenque USA (506) 555-5939 2 IC Sancido Brazil (21) 555-3412 2 IC Senève Sutzerland (897-834214 2 IC Senève Sutzerland (897-834214 2 IC Senève Sutzerland (91) 745 6288 2 IC Stavern Norway (37-98 92 35 2 IC Stavern Norway (37-98 92 35 2 IC Stavern Will Sancido (30) 555-8897 2 IC Senève USA (208) 555-897 2 IC Robenhavn Denmark 31 12 34 56 2 IC Paris France (1) 47,55,68,10 2 IC Paris France (1) 47,55,68,10 2 IC Robenhavn USA (307) 555-4880 2 IC Narleroi Balgium (371) 23 67 22 20 2 IC Balgium (371) 23 67 2					
IK KPIn Germany G221-8644327 1 IS Paris France (1) 42,04,22.66 1 IC Mérico D.F. Herico (5) 552-8748 1 NI Listea Portugal (1) 356-5634 2 DE Rio de Janeiro Brazil (21) 555-4589 2 CK Cunevalde Germany G072-805188 2 CK Cunevalde Argentina (1) 123-5555 2 CK Cunevalde Argentina (1) 123-5555 2 CK Raggio Emilia Italy 8522-58621 2 SC Raggio Emilia Italy 8522-58621 2 EM Rio de Janeiro Brazil					
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CK Cunewalde Germany 6972-805188 2 CH Buenos Aires Argentina (1) 123-5855 2 TC Albuquerque USA (568) 585-5839 2 SC Reggio Emilia Italy 8522-586721 2 AR Rio de Jameiro Brazil (21) 555-3412 2 SU Senève Switzerland (897-834214 2 EM Riod Jasa (201) 745-6280 2 EM Stavenn Norway 027-89-92-95 2 EM Baise USA (208) 555-8267 2 EM Baise USA (208) 555-8267 2 EM Lenden UK (171) 555-1717 2 CO Paris France (1) 47,55-6810 2 CU Paris France (1) 47,55-6810 2 EM Lander USA (307) 555-4800 2 RE Pectiand USA (406) 555-8812					
Duenos Aires Argentina (1) 123-5555 2					
Albuquerque					
Reggio Emilia Italy 8532-556721 2					
Rio de Jameiro Brazil (21) 555-3412 2		Italy			
Solu			(21) 555-3412		
Stavenn Norway 27-98 92 35 2	3 Senève		0897-234214		
Belse	r Madrid	Spain	(91) 745 6220	- 2	
### Boise	5 Stavern	Norway	27-98 92 35	2	
KOB Kobenhavn Denmark 31 12 34 56 2 KOD Paris France (1) 47,55,68,10 2 LIR Lander USA (307) 555-4800 2 KOD Charleroi Belgium (371) 23 67 22 20 2 KED Pertiand USA (503) 555-3812 2 KER Butte USA (406) 555-5834 2 KEP Minster Germany 6251-631259 2 KTU México D.F. Mexico (5) 555-2900 2 KTU México D.F. Mexico (5) 555-2900 2 MH Sao Paulo Brazil (11) 555-167 2 MH Kirkland USA (206) 555-8257 2 FEF Zehus Demark 86 21 32 43 2 FEF Zehus Demark 86 21 32 43 2 RET Reims France 26,47,19,10 2 RET Reims France 26,47,19,10	4 Boise		(208) 555-8297	2	
Paris	Landan	UK	(171) 555-1717		
IR Lander USA (307) 595-4800 2 RD Charleroi Belgium (071) 23 67 22 20 2 BI Pentland USA (508) 595-3812 2 CR Butte USA (406) 595-9834 2 EP Nunster Cermany (8251-831259) 2 FU Néxico D.F. Nexico (5) 595-2900 2 EP FE Priva Demank (30) 595-2900 2 EP FE Priva Demank (30) 595-2900 2 EP FE Priva Demank (30) 595-2957 2 EP Priva Demank (30) 595-2957 2 EP Priva Demank (30) 595-3257 2 EP Pri	3 Kobenhavn	Denmark	31 12 34 56		
Comparison Com) Paris	France	(1) 47.55.62.10		
	R Lander	USA		2	
CR		Belgium		2	
SP Nunster Germany 0251-831259 2 JU Nexico D.F. hexico (5) 555-2593 2 DH Sao Paulo Brazil (11) 555-2167 2 JH Mirkland USA (206) 555-8257 2 FE Jehus Denmark 86 21 32 48 2 JE Lyon France 78.32.54.86 2 ET Reims France 26.47.19.10 2 DK Stuttgart Germany 2071-020061 2 JH Dulu Finland 981-443655 2 LI Resende Brazil (14) 585-8122 2 TK Seattle USA (206) 555-4112 2 o zian china 16708772679 2	Portland	USA	(508) 555-3612		
TU México D.F. Mexico (5) 555-2900 2 DH Sao Paulo Brazil (11) 555-2167 2 TH Kirkland USA (206) 555-6257 2 FE Prins Denmark 88-21-32-48 2 FE Lyon France 78.32,54.86 2 ET Reims France 26.47.15.10 2 DK Stuttgart Germany 2711-020061 2 TH Dulu Finland 991-443655 2 LT Research Brazil (14) 555-8122 2 TK Seattle USA (206) 555-4112 2 DK Stain China 18708772679 2	R Butte	USA	(406) 555-5834		
DH Sao Paulo Brazil (11) 555-2167 2 TH Kirkland USA (206) 555-8257 2 FF Schus Operack 86 21 32 43 2 TE Lyon France 78.32.54.86 2 TH Reims France 26.47.15.10 2 DK Stuttgert Germany 2711-282961 2 TH Oulu Finland 981-443655 2 LT Researde Brazil (14) 555-8122 2 TC Seattle USA (206) 555-4112 2 o zian china 18708772679 2	Nünster	Germany	0251-031259		
IH Kirkland USA (206) 555-8257 2 FF Frhus Osmark 86 21 32 48 2 IE Lyon France 78.32.54.86 2 ET Reins France 25.47.15.10 2 DK Stuttgart Germany 2711-828361 2 IH Dulu Finland 981-443655 2 LI Resende Brazil (14) 555-8122 2 IC Seattle USA (206) 555-4112 2 o zian china 18708772679 2	México D.F.	hexico	(5) 555-2933	2	
FE	4 Sao Paulo	Brazil	(11) 555-2167	2	
TE Lyon France 78.32.54.86 2 ET Reims France 26.47.15.10 2 DK Stuttgart Germany 2711-282961 2 TH Oulu Finland 981-443655 2 LT Researde 8maril (14) 555-8122 2 TC Seattle USA (206) 555-4112 2 o zian china 18708772679 2	H kirkland	USA	(206) 555-8257		
ET Reims France 26.47.15.10 2 DK Stuttgart Germany 0711-020001 2 TH Oulu Finland 981-443655 2 LT Resende Brazil (14) 555-8122 2 TC Seattle USA (206) 555-4112 2 o zian china 18708772879 2	Prhus	Danmack	86 21 32 43		
OK Stuttgert Germany 0711-800361 2 TH Oulo Finland 981-443655 2 LI Resende Brazil (14) 555-8122 2 TC Seattle USA (206) 555-4112 2 o xian china 18708772679 2	Lyon	France	78.32.54.86		
FH Oulu Finland 981-443655 2 IT Resende Brazil (14) 555-8122 2 IC Seattle USA (206) 555-4112 2 p xian china 18708772679 2	Reims	France	25.47.15.10		
.I Resende Brazil (14) 555-8122 2 IC Seattle USA (206) 555-4112 2 p zian china 18708772679 2	Stuttgert	Germany			
C Seattle USA (206) 555-4112 2 2 zian china 18708772679 2	H Dulu	Finland	981 -443655		
xian china 16706772679 2			(14) 555-8122		
	Seattle	USA	(206) 555-4112		
	xian	chins	18708772879		
	beijing	china	18705909090		
shanghai china 1829393383 2		china	1929393383		
ross)	DMS)	707	No.		

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 13
test=> select * from view3 }
```

	Sao Paulo	Brazil	(11) 555-9857
AZZI	Madrid	Spain	(91) 555 94 44
FOLIG	Lille	France	20.16.10.16
FOLKO	Br?cke	Sweden	8695-34 67 21
RANK	Nünchen	Germany	099-0977310
FRANK FRANS	Nantes Torino	France	40.32.21.21
FURIB	Lishpa	Portugal	(1) 354-2534
5ALED	Barcelona	Spain	(93) 203 4560
5000S	Sevilla	Spain	(95) 555 82 82
COURL	Campinas	Brazil	(11) 555-9492
GROSE	Caracas	Venezuela	(2) 263-2951
HANAR	Rio de Jameiro	Brazil	(21) 555 0291
AAJIH	San Cristôbal	Venezuela	(5) 555-1348
HUNGO .	Cork	Ireland	2967 542
ISLAT	Coxes	LK	(198) 555-8888
KOENE	Branderburg	Germany	2555-09976
LACOR	Versailles	France	30.59.84.10
LAMAT	Toulouse	France	81.77.61.12
LAUGB	Vancouver	Canada	(604) 555-3392
LEHMS	Frankfurt a.M.	Germany	269-2245984
LILAS	Barquisimeto	Venezuela	(9) 331-6954
LINDO	I. de Margarita	Venezuela	(8) 34-56-12
AAEAM	Borgamo	Italy	235-648230
MAISD MEREP	Bruxelles Nontréal	Belgium	(82) 281 24 67 (514) 555-8654
NEREP	Montreal Leipzig	Canada Germany	(514) 555-8854 8342-823178
MORTS	Leipzig	UK	(171) 555-7733
CCEAN	Buenes Aires	Argentina	(1) 135-5333
CITIE	(21n	Germany	0221-0644327
PARTS	Paris	France	(1) 42.34.22.68
PERIC	Nexico D.F.	Nexico	(5) 552-3745
PRINI	Lisboa	Portugal	(1) 356-5634
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252
DLEEN	Sao Paulo	Brazil	(11) 555-1189
STUCK	Cunewalde	Germany	0372-035188
RANCH	Buenos Aires	Argentina	(1) 123-5555
REGGC	Reggio tmilia	Italy	8522-556721
RICAR	Rio de Janeiro	Brazil	(21) 555-3412
RICSU	Genève	Switzerland	
ROMEY	Madrid	Spain	(91) 745 6200
SANTG	Stavern	Morsiay	87-98 92 35
SEVES	London	CK	(171) 555-1717
SIMOU	Kobenhavn	Denmark	31 12 34 50
SPECD SUPRD	Paris Charlerei	France	(1) 47.55.68.18
SUPRD TONSP	Charlerei	Belgium Germany	(071) 23 67 22 20 0251-031259
TORTU	Mexico D.F.	hexico	(5) 555-2933
TRADH	Sao Paulo	Brazil	(5) 555-2955
VAFFE	2rhus	Denmark	86 21 32 43
VICTE	Lyon	France	78.32.54.86
VINET	Roims	France	26.47.15.18
MANOK	Stuttgart	Germany	0711-020361
MARTH	Culu	Finland	981-443855
MELLI	Resende	Brazil	(14) 555-8122
xiao	xian	china	18726772679
	beijing	china	10725939393
wang		china	1829393303
uang zhao	shanghad		

然后切换 bob 用户,查看 view3,发现其管理的视图也发生了改变;

FANIA	San Faulo	Brazil	(11) 555-9857	
FISSA	Madrid	Spain	(91) 555 54 44	
FOLIG	tfile	France	28.16.10.16	
FOLKO	Bricke	Sweden	0695-34 67 21	
FRANK	München	Germany	869-8677318	ч.
FRANK	Nantes	France	40.32.21.21	
FRANS	Torino	Italy	011-4988260	
FURIE	Lisboo	Portugal	(1) 354-2534	
GALED:	Barcelona	Spain	(93) 203 4568	
60005	Sevilla	Spain	(95) 555 82 82	
GOURL	Campinas	Brezil	(11) 555-9462	
GROSR.	Caracas	Venezuela	(2) 283-2951	
HANAR	Río de Janeiro	Brazil	(21) 555-2091	
HILAA	San Cristóbal	Venezuela	(5) 555-1340	
HUNGO	Conk	Ireland	1987 541	
ISLAT	Coxes	UK	(198) 555-6888	
KOENE	Brandenburg	Germany	6555-25676	
LACOR	Versailles	France	30.59.84.10	
LAMAI	Toulouse	France	61.77.61.10	
LAUSE	Vancouver	Canada	(684) 555-3392	
LEHMS	frankfurt a.N.	Germany	869-8245984	
LILAS	Barquisimeto	Veneruela	(9) 331-6954	
LINCO	I. de Margarita	Venezuela	(8) 34-56-12	
HAGAA	Bergamo	Italy	035-640230	
MATSD	Bruxelles	Belgium	(82) 281 24 67	
MEREP	Montréal	Canada	(514) 555-8054	
HORSK	Leipzig	Germany	0342-023176	
NORTS	London	UK	(171) 555-7733	
OCEAN	Buenos Aires	Argentina	(1) 135-5333	
OTTIK	Kiln		0221 -2644327	
PARIS	Paris	France	(1) 42.34.22.66	
PERIC	Mexico D.F.	Mexico		1,1
		True In a w	(5) 552-3745	ч,
PRINI	Lisboa	Portugal	(1) 356-5634	
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	
QUEEN	Sac Paulo	Brozil	(11) 555-1189	
OUICK	Cunewalde	Germany	0372-035188	
RANCH	Buenos Aires	Argentina	[1] 123-5555	
REGGC	Reggio tmilia	Italy	0522-556721	
RICAR	Río de Janeiro	Brazil	(21) 555-3412	
RICSU	Genève	Switzerland	2697-034214	1.
ROMEY	Madrid	Spain	(91) 745 6202	
SANTS	Stavern	Rorway	07-98 92 35	
SEVES	London	UK	(171) 555-1717	
SINCE	Kobenhavn	Denmark	31 12 34 56	
SPECD	Paris	France	(1) 47.55.60.10	
SUPRD	Charlerof	Belgium	(871) 23 67 22 2	2
TOMSE	Minster	Germany	0251-031250	T
TORTU	México D.F.	Mexico	(5) 555-2933	
TRADH	Sac Paulo	Brazil	(11) 555-2167	1
VAFFE	2rhus	Denmark	66 21 32 43	
VICTE	Lyan	France	78.32.54.86	
VINET	Reims	France	26.47.15.10	
HANDK	Stuttgart	Germany	8711-828381	
WARTH	Oulu	Finland	981-443655	
MELLI	Resende	Brazil	(14) 555-8122	
Miso	xian	china	18786772679	
Mang	beijing	china	10705939393	
zhao	shanghai	china	1829393383	
78 rows)	areaugnar.	Critilia	1629595395	
ve rows)				

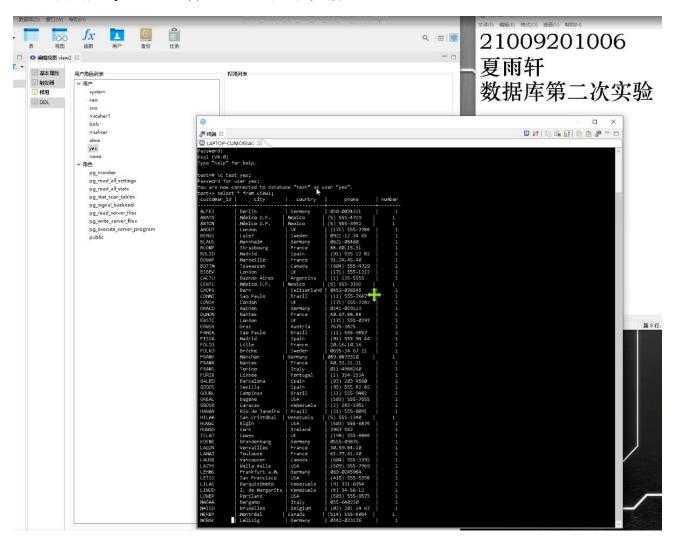
在 bob 用户中进行更新操作,并查看更新后的视图

IØ .io ⋈ • chearn	LINOD MAGAA	I. de Margarita Bergamo	Venezuela Italy	(8) 34-56-12 035-640230	1 1		
]图 view2 ⋈ ● 编辑视图 vi	MAISD	Bruxelles	Belgium	(02) 201 24 67			
	MER EP MORGK	Montréal Leipzig	Canada Germany	(514) 555-8054 0342-023176	1 1		
	NORTS	London	UK	(171) 555-7733			
	OCEAN OTTIK	Buenos Aires K?ln	Argentina Germany	(1) 135-5333 0221-0644327	1 1		
	PARIS	Paris	France	(1) 42.34.22.66			
r1	PERIC PRINI	México D.F. Lisboa	Mexico Portugal	(5) 552-3 74 5 (1) 356-5634	1 2		
	QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2		
F*	QUEEN QUICK	Sao Paulo Cunewalde	Brazil Germany	(11) 555-1189 0372-035188	2 2		
	RANCH	Buenos Aires	Argentina	(1) 123-5555	2		
	REGGC RICAR	Reggio Emilia Rio de Janeiro	Italy Brazil	0522-556721 (21) 555-3412	2 2		
nitor	RICSU	Genève	Switzerland	0897-034214	2		
d_all_settings	ROMEY SANTG	Madrid Stavern	Spain Norway	(91) 745 6200 07-98 92 35	2 2		
d_all_stats	SEVES	London	l uk	(171) 555-1717			
:_scan_tables nal backend	SIMOB SPECD	Kobenhavn Paris	Denmark France	31 12 34 56 (1) 47.55.60.10	2 2		
d_server_files	SUPRD	Charleroi	Belgium	(071) 23 67 22 20	2		
te_server_files	TOMSP TORTU	Münster México D.F.	Germany M exico	0251-031259 (5) 555-2933	2 2		
cute_server_program	TRADH	Sao Paulo	Brazil	(11) 555-2167			
	VAFFE VICTE	?rhus Lyon	Denmark France	86 21 32 43 78.32.54.86	2 2		
	VINET	Reims	France	26.47.15.10	2		
	WANDK WARTH	Stuttgart Oulu	Germany Finland	0711-020361 981-443655	2 2		
	WELLI	Resende	Brazil	(14) 555-8122	2		
		beijing	china	10705939393	1		
	wang zhao						
	zhao xia	shanghai beijing	china china	1829393303 192293494	2 2		
	zhao	shanghai	china	1829393303			
	zhao xia liu	shanghai beijing	china china	1829393303 192293494	2 2		
	zhao xia liu (79 rows) test=# upda	shanghai beijing	china china china	1829393303 192293494 15191423356	2 2		
	zhao xia liu (79 rows) test=# upda UPDATE 1	shanghai beijing changchun te view3 set city =	china china china xian' where cu	1829393303 192293494 15191423356	2 2 1		
	zhao xia liu (79 rows) test=# upda: UPDATE 1 UPDATE 1	shanghai beijing changchun te view3 set city =	china china china xian' where cu	1829393303 192293494 15191423356	2 2 1		
	zhao xia liu (79 rows) test=# upda UPDATE 1 test=# upda	shanghai beijing changchun te view3 set city =	china china china xian' where cu	1829393303 192293494 15191423356	2 2 1		
	zhao xia liu (79 rows) test=# upda: UPDATE 1 test=# upda: UPDATE 1 test=# ■	shanghai beijing changchun te view3 set city = te view3 set phone :	china china china xian' where cu ='18706772679'	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi	2 2 1 a';	2	
VAFFE	zhao xia liu (79 rows) test=# upda UPDATE 1 test=# upda UPDATE 1 test=# Sao Paul ?rhus	shanghai beijing changchun te view3 set city = te view3 set phone =	china china china xian' where cu ='18706772679' Brazil Oenmark	1829393303 192293494 15191423356 ustomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32	2 2 1 a'; -2167 43	2	
VAFFE VICTE	zhao xia liu (79 rows) test=# upda: UPDATE 1 test=# upda: UPDATE 1 test=# ■	shanghai beijing changchun te view3 set city = te view3 set phone =	china china china xian' where cu ='18706772679'	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi	2 2 1 a'; -2167 43	2 2	
TRADH VAFFE VICTE VINET	zhao xia liu (79 rows) test=# upda UPDATE 1 test=# upda UPDATE 1 test=# Sao Paul ?rhus	shanghai beijing changchun te view3 set city = te view3 set phone =	china china china xian' where cu ='18706772679' Brazil Oenmark	1829393303 192293494 15191423356 ustomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32	² ² ¹ ^{a'} ; -2167 43	2	
VAFFE VICTE VINET	zhao xia liu (79 rows) test=# upda: UPDATE 1 test=# upda: UPDATE 1 test=# Sao Paul ?rhus Lyon Reims	shanghai beijing changchun te view3 set city = te view3 set phone :	china china china xian' where cu ='18706772679' Brazil Denmark France France	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54.	² ² ¹ a'; -2167 43 .86 .10	2 2	
VAFFE VICTE VINET WANDK	zhao xia liu (79 rows) test=# upda UPDATE 1 test=# upda UPDATE 1 test=# Sao Pau ?rhus Lyon	shanghai beijing changchun te view3 set city = te view3 set phone =	china china china 'xian' where cu ='18706772679' Brazil Denmark France	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54. 26.47.15.	² ² ¹ a'; -2167 43 .86 .10	2 2 2 2	
VAFFE VICTE VINET WANDK WARTH	zhao xia liu (79 rows) test=# upda UPDATE 1 test=# upda UPDATE 1 test=# I Sao Paul ?rhus Lyon Reims Stuttgar Oulu	shanghai beijing changchun set city = te view3 set phone = te vi	china china china 'xian' where cu = '18706772679' Caracter Caracter	1829393303 192293494 15191423356 ustomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54. 26.47.15. 0711-0203 981-44365	2 2 1 a'; -2167 43 .86 .10 361 55	2 2 2 2 2 2	
VAFFE VICTE VINET WANDK WARTH WELLI	zhao xia liu (79 rows) test=# upda UPDATE 1 test=#	shanghai beijing changchun te view3 set city = te view3 set phone =	china china china xian' where co ='18706772679' Brazil Denmark France France Germany Finland Brazil	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54. 26.47.15. 0711-0203 981-44365 (14) 555-	2 2 1 a'; -2167 43 .86 .10 361 55 -8122	2 2 2 2 2 2 2 2	
VAFFE VICTE VINET WANDK WARTH WELLI wang	zhao xia liu (79 rows) test=# updar UPDATE 1 test=# updar UPDATE	shanghai beijing changchun ste view3 set city = te view3 set phone :	china china china xian' where cu ='18706772679' Brazil Denmark France Germany Finland Brazil China	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54 26.47.15. 0711-0203 981-44365 (14) 555- 107059393	2 2 1 4; -2167 43 .86 .10 361 55 -8122	2 2 2 2 2 2 2 1	
VAFFE VICTE VINET WANDK WARTH WELLI wang zhao	zhao xia 1iu (79 rows) test=# upda UPDATE 1 test=# upda UPDATE 1 test=# Upda I test=# upda UPDATE 1 test=# Upda	shanghai beijing changchun ste view3 set city = te view3 set phone = te view3 set pho	china china china xian' where co ='18706772679' Brazil Denmark France France Germany Finland Brazil china china	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54. 26.47.15. 0711-0203 981-44365 (14) 555- 107059393 182939336	2 2 1 a'; -2167 43 .86 .10 .861 .55 -8122 .893	2 2 2 2 2 2 2 1 2	
VAFFE VICTE VINET WANDK WARTH WELLI wang	zhao xia liu (79 rows) test=# updar UPDATE 1 test=# updar UPDATE	shanghai beijing changchun changch	china china china xian' where cu ='18706772679' Brazil Denmark France Germany Finland Brazil China	1829393303 192293494 15191423356 stomer_id = 'xia'; where customer_id = 'xi (11) 555- 86 21 32 78.32.54 26.47.15. 0711-0203 981-44365 (14) 555- 107059393	2 2 1 3'; -2167 43 .86 .10 361 55 -8122 393 33	2 2 2 2 2 2 2 1	

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。

tact # \a tac	+ nono.			
test=# \c tes Password for				
Company of the Compan	user nono: onnected to datab	osa "tast" os u	can "none"	
	onnected to datab * * from view3;	iase test as u	iser nono .	
customer_id	city	country	phone	number
cuscomer_iu	CTCA	Country	phone	I namper.
ALFKI	Berlin	Germany	030-0074321	1
ANATR	México D.F.	Mexico	(5) 555-4729	1 1
ANTON	México D.F.	Mexico	(5) 555-3932	1 1
AROUT	London	UK	(171) 555-7788	1 1
BERGS	Lule?	Sweden	0921-12 34 65	1
BLAUS	Mannheim	Germany	0621-08460	1
BLONP			88.60.15.31	
	Strasbourg	France		1 1
BOLID	Madrid	Spain	(91) 555 22 82	
BONAP	Marseille	France	91.24.45.40	
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	A ustria	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	Br?cke	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 1
GOURL	Campinas	Brazil	(11) 555-9482	1 1
GROSR	Caracas	Venezuela	(2) 283-2951	1
HANAR	Rio de Janeiro	Brazil	(21) 555-0091	1 1
HILAA	San Cristóbal	Venezuela	(5) 555-1340	1 1
HUNGO	Cork	Ireland	2967 542	'I 1
TIONGO	COLK	II CIANG	2907 342	Т.
WELLI	Resende	Brazil	(14) 555-8122	
wang	beijing	china	10705939393	T T
zhao	shanghai	china	1829393303	
liu	changchun	china	15191423356	77
xia	xian	china	18706772679	8
248,000.00	XIGH	Cliffia	18700772079	(33)
(79 rows)				

3 登录用户 yes, 查看 viewl 中的数据



登录用户 aiwa, 查看 view2 中的数据

customer id	* from view2; city	country	phone	number
		+		
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
OUEEN	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
ROHEY	Madrid	Spain	(91) 745 6280	2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINCE	Kobenhavn	Denmank	31 12 34 56	2
SPECD	Paris	France	(1) 47.55.68.18	. 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	∂rhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
MANDK	Stuttgart	Germany	0711-020361	2
WARTH.	Culu	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

在用户 aiwa 中执行删除语句并查看执行后的 view2

customer_id	city	country	phone	number
PRINI	Lisboa	Portugal	(1) 356-5634	2
QUEDE	Rio de Janeiro	Brazil	(21) 555-4252	2
OUEEN	Sao Paulo	Brazil	(11) 555-1189	2
OUICK	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		(21) 555-3412	2
RICSU	Genève	Switzerland		2
ROMEY	Madrid	Spain	(91) 745 6280	
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8897	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
TOHSP	Münster	Germany	8251-831259	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	?rhus	Denmark	86 21 32 43	2
VICTE	Lyon	France	78.32.54.86	2
VINET	Reims	France	26.47.15.10	2
MANDK	Stuttgart	Germany	0711-020361	2
MARTH	Culu	Finland	981-443655	2
WELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
30 roxs)				

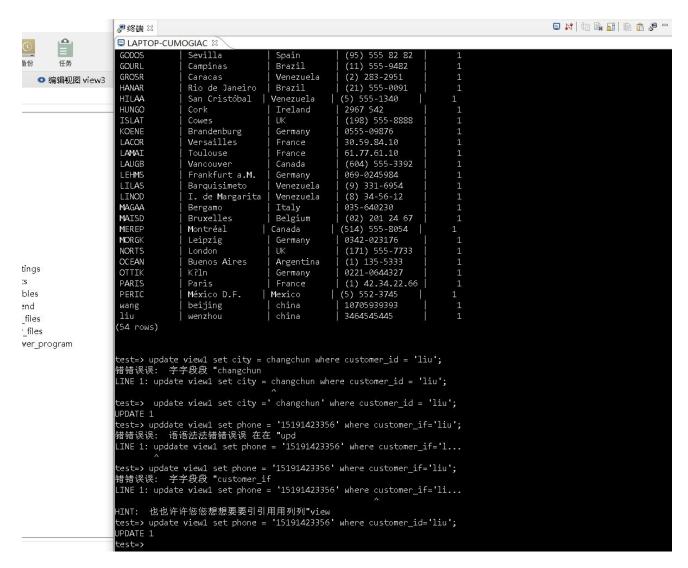
在用户 aiwa 时执行插入语句,并查看执行后的 view2;

NSERT 0 1				
est=> select				
est-> * from				2 (2
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
OUICK	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		Switzerland	0897-034214	2
RONEY	Madrid	Spain	(91) 745 6280	1 2
SANTG	Stavern	Norway	07-98 92 35	2
SAVEA	Boise	USA	(208) 555-8097	2
SEVES	London	UK	(171) 555-1717	2
SINCE	Kohenhavn	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
TRAIH	Kirkland	USA	(206) 555-8257	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	Culu	Finland	981-443655	2
MELLI	Resende	Brazil	(14) 555-8122	2
WHITC	Seattle	USA	(206) 555-4112	2
xiao	xian	china	18786772679	2

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

assword for	r user yes:			
	connected to databa	se "test" as u	ser "yes".	
	ct * from view1;			
customer_i	d city	country	phone	number
		+	1	+
ALFKI	Berlin	Germany	030-0074321	1 1
ANATR	México D.F.	Nexico	(5) 555-4729	1
ANTON	México D.F.	Nexico	(5) 555-3932	. 1
AROUT	London	UK	(171) 555-7788	1 1
BERGS	Lule?	Sweden	0921-12 34 65	1 1
BLAUS	Mannheim	Germany	0621-08460	1
BLONP	Strasbourg	France	88.60.15.31	1
BOLID	Madrid	Spain	(91) 555 22 82	1 1
BONAP	Marseille	France	91.24.45.48	1
BOTTM	Tsawassen	Canada	(684) 555-4729	1 1
BSBEV	London	UK R	(171) 555-1212	1 1
CACTU	Buenos Aires	Argentina	(1) 135-5555	1 1
CENTC	México D.F.	Nexico	(5) 555-3392	1
CHOPS	Bern	Switzerland	0452-076545	1 1
COMMI	Sao Paulo	Brazil	(11) 555-7647	1 1
CONSH	London	UK	(171) 555-2282	1
DRACD	Aachen	Germany	0241-039123	1
DUMON	Nantes	France	40.67.88.88	1 1
EASTC	London	UK	(171) 555-8297	1
ERNSH	Graz	Austria	7675-3425	1 1
FAMIA	Sao Paulo	Brazil	(11) 555-9857	1 1
FISSA	Madrid	Spain	(91) 555 94 44	1 1
FOLIG	Lille	France	20.16.10.16	1 1
FOLKO	Br?cke	Sweden	0695-34 67 21	1
FRANK	München	Germany	089-0877310	1
FRANK	Nantes	France	40.32.21.21	1 1
FRANS	Torino	Italy	011-4988268	1
FURIB	Lishoa	Portugal	(1) 354-2534	1 1
GALED	Barcelona	Spain	(93) 283 4560	1 1
GODOS	Sevilla	Spain	(95) 555 82 82	î
GOURL	Campinas	Brazil	(11) 555-9482	1 1
GREAL	Eugene	ASU	(503) 555-7555	1
GROSE	Caracas	Venezuela	(2) 283-2951	1 1
HANAR	Rio de Janeiro	Brazil	(21) 555-0891	1 1
		Venezuela		
HILAA	San Cristóbal	USA	(5) 555-1340	1
HUNGC	Elgin		(503) 555-6874	1 1
HUNGO	Conk	Ireland	2967 542	1 1
ISLAT	Cowes	UK	(198) 555-8888	1
KOENE	Brandenburg	Germany	0555-09876	1 1
LACOR	Versailles	France	30.59.84.10	1
LAMAI	Toulouse	France	61.77.61.18	1 1
LAUGB	Vancouver	Canada	(684) 555-3392	1 1
LAZYK	Walla Walla	AZU	(509) 555-7969	1 1
LEHMS	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 2

在 viewl 中进行更新操作,并查看更新后的结果



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

customer id	t * from view2; 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

4 作业诚信承诺

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