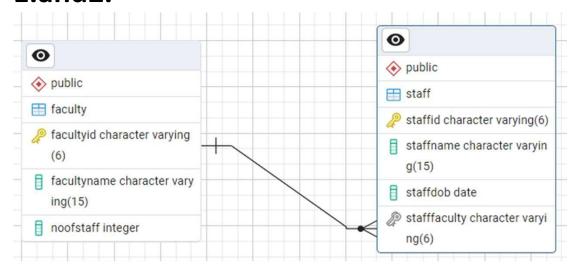
ONLY NUMBER: Conger Yang

1.and2.



3.

INSERT INTO staff(staffid,staffname,staffdob,stafffaculty) values('AB9872','Mark White',1978-01-01,'M002'),
('DL2314','Jas Singh',1982-03-14,'M002'),('AF4512','Alison Green',1998-12-23,'C001'),('BK2134','Kieran West',1992-01-16,'B001'),
('FG3124','Lucy Liu',1997-08-03,'E002');

It is necessary to fill the faculty table first, because it is related to the stafffaculty in the staff table (foreign key in the staff table) and has the faculty primary key first. Only when writing the code of the staff table can the existing faculty primary key be referenced, otherwise an error will be reported

```
hrsystem=# select * from staff;
staffid | s
                                  staffname
                                                                     | staffdob |
          stafffaculty
                                                                     | 1978-01-01 | M002
 AB9872 | Mark White
 DL2314 | Jas Singh
                                                                     | 1982-03-14 | M002
 AF4512 | Alison Green
                                                                    | 1998-12-23 | C001
                                                                     | 1992-01-16 | B001
 BK2134 | Kieran West
                                                                     | 1997-08-03 | E002
 FG3124 | Lucy Liu
(5 行记录)
hrsystem=# select * from faculty;
facultyname
                                                                       noofstaff
              Computing
Engineering
                                                                                120
 C001
E002
M002
                                                                                76
56
89
              Mathermatics
Business
B001
(4 行记录)
```

4.a

hrsystem=# select * from staff; staffid staffname stafffaculty	staffdob
 AB9872 Mark White	1978-01-01 M002
DL2314 Jas Singh	1982-03-14 M002
AF4512 Alison Green	1998-12-23 C001
BK2134 Kieran West	1992-01-16 B001
FG3124 Lucy Liu	1997-08-03 E002
(5 行记录)	

b.

hrsystem=# facultyid	select * from faculty where noofstaff > 75; facultyname	noofstaff
C001	 Computing	
E002	Engineering	76
B001	Business	89
(3 行记录)		

C.

d.

<pre>hrsystem=# select * from staff; id .</pre>	name	date of birth	1	Faculty id
AB9872 Mark White		1978-01-01	M002	
DL2314 Jas Singh		1982-03-14	M002	
AF4512 Alison Green		1998-12-23	C001	
BK2134 Kieran West		1992-01-16	B001	
FG3124 Lucy Liu		1997-08-03	E002	

e.

hrsystem=# : id	select *from staff; name	da	te of birth	Faculty id
AB9872 Ma	ark White		78-01-01	M002
DL2314 Ja	as Singh Lison Green		82-03-14 98-12-23	M002 C001
BK2134 K: FG3124 Li			92-01-16 97-08-03	B001 E002
(5 行记录)				
	select *from faculty;			
facultyid	facultyname		noofstaff	
E002 M002 B001 C001 (4 行记录)	Engineering Mathermatics Business Engineering		76 56 89 120	

F.

```
rsystem=# select *from staff;
id |
                                                                        | date of birth |
                                                                                                                    Faculty id
 AB9872 | Mark White
                                                                        | 1978-01-01
DL2314 | Jas Singh
                                                                        | 1982-03-14
                                                                                          | M002
 AF4512 | Alison Green
                                                                        | 1998-12-23
                                                                                          | C001
FG3124 | Lucy Liu
                                                                        1997-08-03
                                                                                         | E002
(4 行记录)
hrsystem=# select *from faculty;
facultyid | facultyname
E002
M002
C001
(3 行记录)
              Engineering
Mathermatics
Engineering
                                                                                    76
56
120
```

6.

a.

b.

```
bank=# select first_name,last_name from employee;
first_name | last_name
 Michael
            | Smith
 Susan
            Barker
 Robert
            | Tyler
 Susan
             Hawthrone
 John
             Gooding
 Helen
            | Fleming
 Chris
             Tucker
 Sarah
             Tucker
            Grossman
 Jane
 Paula
            Roberts
 Thomas
            | Ziegler
 Samantha
            Jameson
 John
             Blake
 Cindy
            Mason
 Frank
             Portman
 THERESA
            | Markham
 Beth
            Fowler
Rick
            | Tulman
(18 行记录)
```

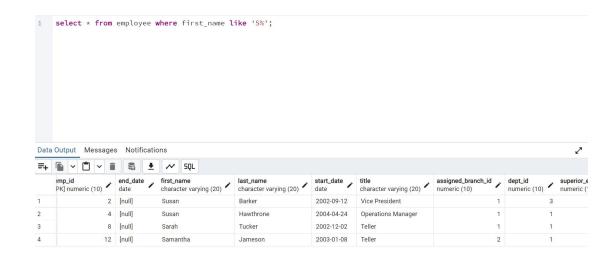
C.

```
bank=# select distinct product_type_cd from product;
product_type_cd
-----ACCOUNT
LOAN
(2 行记录)
```

d.

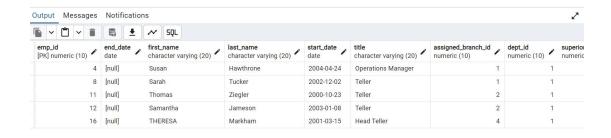
	t * from product date_offered	_type_cd='LOAN'; name	product_type_cd
MRT AUT BUS SBL (4 行记录)	2000-01-01 2000-01-01 2000-01-01 2000-01-01	home mortgage auto loan business line of credit small business loan	LOAN LOAN LOAN LOAN

e.



f.

select * from employee where (first_name like 'S%' OR FIRST_NAME LIKE 'T%') and dept_id=1;



g.



h.

```
SELECT * from 知ployee where start_date between '2001-01-01' and '2002-12-31';
Data Output Messages Notifications
=+ □ ∨ □ ∨ ■ □ ★ × SQL
                          end_date first_name character varying (20) | last_name character varying (20) | date | start_date date | character varying (20) | date | character varying (20) | numeric (10) | numeric (10) | numeric (10) | numeric (10) |
                          [null]
                                       Michael
                                                               Smith
                                                                                      2001-06-22
                                                                                                   President
                                                                                                                                                                            [null]
2
                          [null]
                                                               Barker
                                                                                      2002-09-12
                                                                                                   Vice President
                                       Susan
3
                          [null]
                                       Robert
                                                               Tyler
                                                                                      2002-02-09
                                                                                                   Treasurer
4
                                                                                     2002-12-02
                                                                                                   Teller
                          [null]
                                       Sarah
                                                               Tucker
                          [null]
                                                               Grossman
                                                                                      2002-05-03
                                                                                                    Teller
                          [null]
                                       Paula
                                                               Roberts
                                                                                      2002-07-27
                                                                                                   Head Teller
                                                                                      2002-08-09
                          [null]
                                       Cindy
                                                               Mason
                                                                                                   Teller
                                                                                                                                                                              13
                          [null]
                                       THERESA
                                                               Markham
                                                                                      2001-03-15
                                                                                                   Head Teller
                                                                                                                                                                              4
                          [null]
                                                               Fowler
                                                                                      2002-06-29
                                                                                                   Teller
                                                                                                                                                                              16
                                       Beth
                                                                                      2002-12-12
                                                                                                  Teller
```



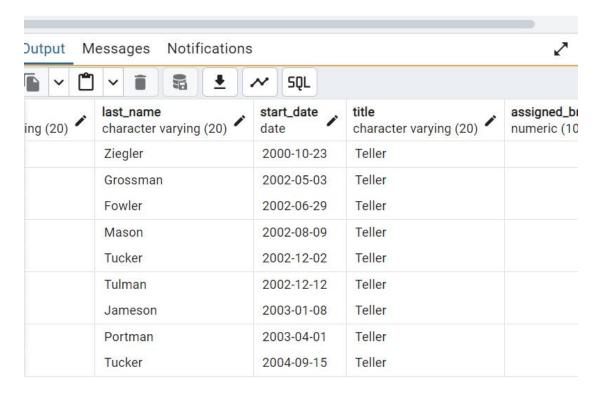
select * from customer where fed_id like '%-%-%'

Outp	ut Messages Notific	cations		~
	v 🖺 v 🗈 😘	♣		
)) ^	cust_type_cd character varying (1)	fed_id character varying (12)	postal_code character varying (10)	state characte
	1	999-99-9999	2458	MA
	1	888-88-8888	3079	NH
	1	777-77-7777	1887	MA
	1	666-66-6666	2451	MA
	1	444-44-4444	2451	MA
	1	333-33-3333	2169	MA
	1	222-22-2222	1801	MA
	I	111-11-1111	1940	MA

select * from product order by product_type_cd asc,name desc ;

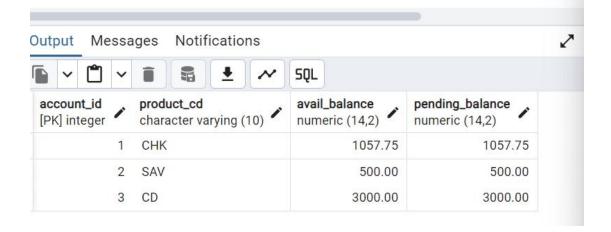
Output Messages	Notifications		2
		√ SQL	
date_offered date	date_retired /	name character varying (50)	product_type_cd character varying (255)
2000-01-01	[null]	savings account	ACCOUNT
2000-01-01	[null]	money market account	ACCOUNT
2000-01-01	[null]	checking account	ACCOUNT
2000-01-01	[null]	certificate of deposit	ACCOUNT
2000-01-01	[null]	small business loan	LOAN
2000-01-01	[null]	home mortgage	LOAN
2000-01-01	[null]	business line of credit	LOAN
2000-01-01	[null]	auto Ioan	LOAN

k.



1)

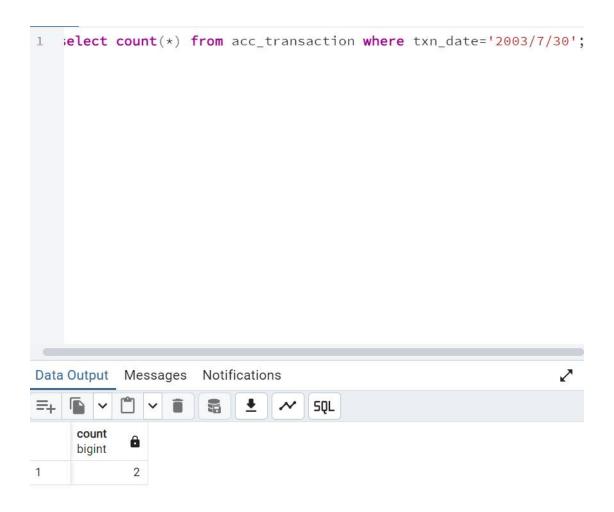
select account_id,product_cd,avail_balance,pending_balance fro

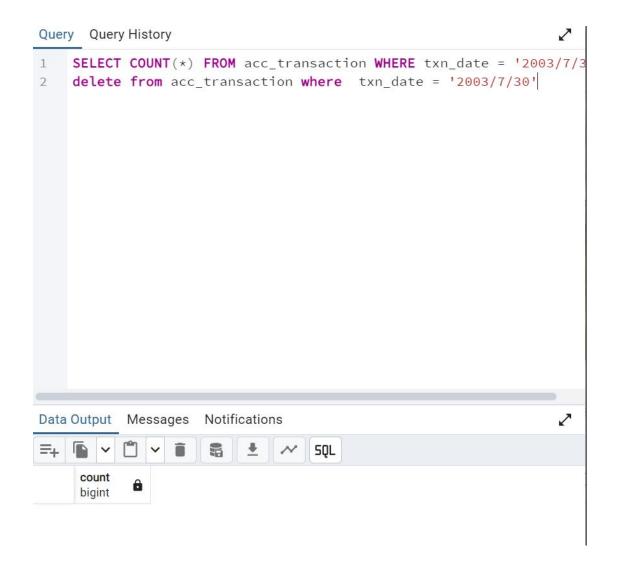


update account set avail_balance=avail_balance * 1.02 ,pending
select cust_id,product_cd,avail_balance,pending_balance | from a

min ÷ • ·				
cust_id product_cd character varying (10)	avail_balance numeric (14,2)	pending_balance numeric (14,2)		
1 CHK	1144.95	1144.95		
1 SAV	541.21	541.21		
1 CD	3247.29	3247.29		

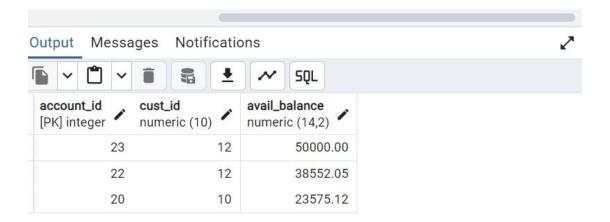
m.





N.

om account where avail_balance>10000 order by avail_balance de:



0.

Output Messages Notifications

Output Messages Notifications

Output Messages Notifications

SQL

City

Character varying (20)

Salem

NH

Willmington

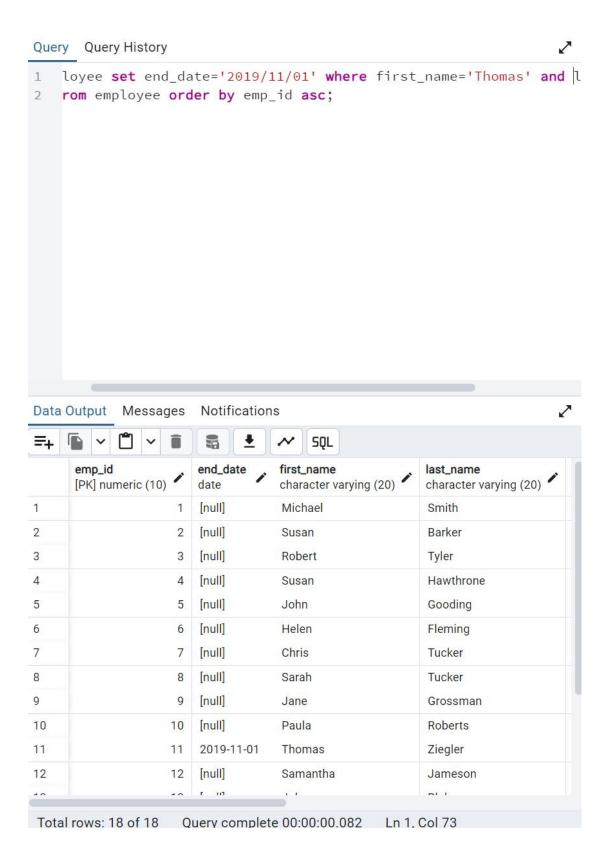
NH

p.

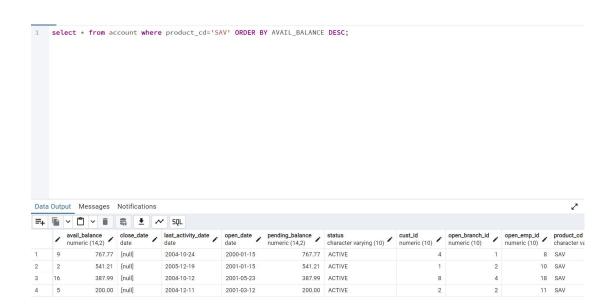
```
update individual set last_name='Brown' where cust_id=2;
2
     select * from individual order by cust_id asc;
Data Output Messages Notifications
=+
                                         SQL
                    birth_date
                                                        last_name
      cust_id
                                 first_name
      [PK] integer
                                character varying (255)
                                                       character varying (255)
                    date
                                                        Hadley
1
                 1
                    1972-04-22
                                 James
2
                 2
                   1968-08-15
                                                        Brown
                                 Susan
                                 Frank
                                                        Tucker
3
                 3
                   1958-02-06
                                 John
                                                        Hayward
4
                 4 1966-12-22
5
                 5 1971-08-25
                                 Charles
                                                        Frasier
                 6 1962-09-14
6
                                 John
                                                        Spencer
7
                 7
                   1947-03-19
                                 Margaret
                                                        Young
8
                 8 1977-07-01
                                 Louis
                                                        Blake
9
                 9 1968-06-16
                                 Richard
                                                        Farley
```

select * from individual where birth_date<'1965-01-01';</pre> Data Output Messages Notifications 2 SQL **=**+ cust_id birth_date first_name last_name [PK] integer character varying (255) character varying (255) date 1 1958-02-06 Frank Tucker 2 1947-03-19 Margaret Young 3 1962-09-14 Spencer John

r.



S.



387.99 ACTIVE 200.00 ACTIVE

18 SAV

11 SAV

2

2

2004-10-12 2004-12-11

2001-05-23

2001-03-12