```
CREATE TABLE SchoolAssignment1. `faculty` (
    `facultyid` VARCHAR(6) PRIMARY KEY,
    `facultyname` VARCHAR(15) NOT NULL,
    `noofstaff` INTEGER

);

CREATE TABLE SchoolAssignment1. `staff` (
    `staffid` VARCHAR(6) PRIMARY KEY,
    `staffname` VARCHAR(15),
    `staffdob` DATE,
    `stafffaculty` VARCHAR(6),
```

3.

```
INSERT INTO SchoolAssignment1.faculty (facultyid, facultyname, noofstaff)

VALUES ('C001', 'Computing', 120);

INSERT INTO SchoolAssignment1.faculty (facultyid, facultyname, noofstaff)

VALUES ('E002', 'Engineering', 76);

INSERT INTO SchoolAssignment1.faculty (facultyid, facultyname, noofstaff)

VALUES ('M002', 'Mathematics', 56);

INSERT INTO SchoolAssignment1.faculty (facultyid, facultyname, noofstaff)

VALUES ('B001', 'Business', 89);
```

FOREIGN KEY (stafffaculty) REFERENCES faculty(facultyid)

```
INSERT INTO SchoolAssignment1. staff` (staffid, staffname, staffdob, stafffaculty)

VALUES ('AB9872', 'Mark White', '1978-01-01', 'M002');

VALUES ('BU2314', 'Jas Singh', '1982-03-14', 'M002');

VALUES ('DL2314', 'Jas Singh', '1982-03-14', 'M002');

VALUES ('DL2314', 'Jas Singh', '1982-03-14', 'M002');

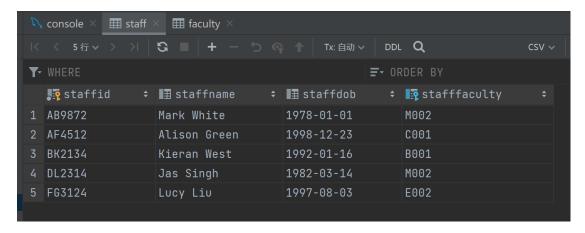
VALUES ('AF4512', 'Alison Green', '1998-12-23', 'C001');

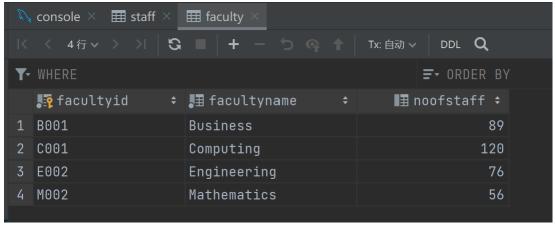
VALUES ('AF4512', 'Alison Green', '1998-12-23', 'C001');

VALUES ('BK2134', 'Kieran West', '1992-01-16', 'B001');

VALUES ('BK2134', 'Kieran West', '1992-01-16', 'B001');

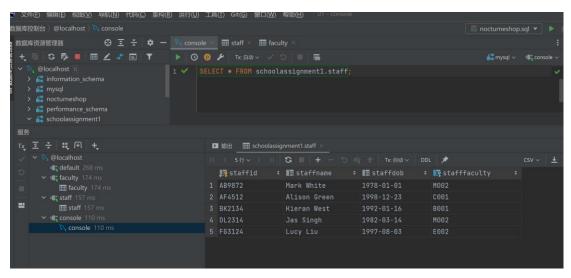
VALUES ('FG3124', 'Lucy Liu', '1997-08-03', 'E002');
```

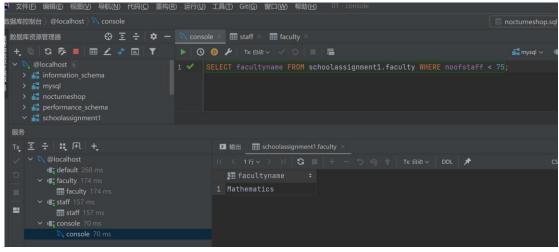




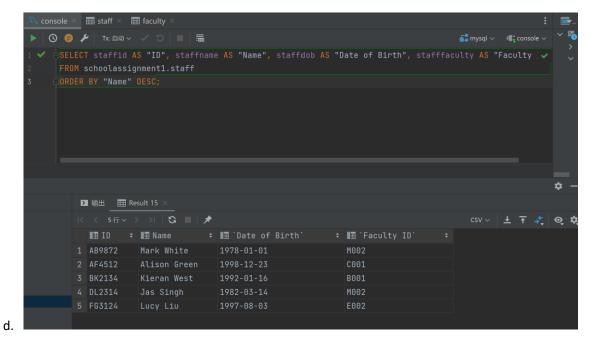
## 4.

a.





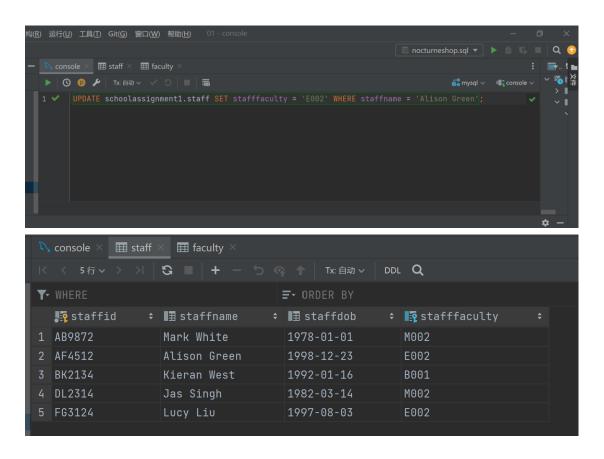
文件(P) 解類(D) 初類(D) 存款(D) 在物(D) 正向(D) 正向(D) 不同(D) 不同(D



e.

b.

c.



	£ .	console × 🖽 staff	X III faculty X		
		〈 4行~ 〉 〉	<b>S</b> ■ + - 5 9	Tx: 自动 🗸 DDL	Q
	T-	WHERE			<b>=</b> → ORDER BY staffname
		<b>.</b> staffid ≎	■ staffname 🔺 1	■ staffdob ÷	stafffaculty ÷
	1	AF4512	Alison Green	1998-12-23	E002
	2	DL2314	Jas Singh	1982-03-14	M002
	3	FG3124	Lucy Liu	1997-08-03	E002
		AB9872	Mark White	1978-01-01	M002
f.					

5.

```
CREATE TABLE bank.ACC_TRANSACTION (
    TXN_ID INTEGER PRIMARY KEY AUTO_INCREMENT,
    AMOUNT DECIMAL(14,2) NOT NULL,
    FUNDS_AVAIL_DATE TIMESTAMP NOT NULL,
    TXN_DATE TIMESTAMP NOT NULL,
    TXN_TYPE_CD VARCHAR(10),
    ACCOUNT_ID INTEGER,
    EXECUTION_BRANCH_ID INTEGER,
    TELLER_EMP_ID INTEGER
```

```
✓ CREATE TABLE BUSINESS (

CUST_ID INTEGER PRIMARY KEY,

INCORP_DATE DATE,

NAME VARCHAR(255) NOT NULL,

STATE_ID VARCHAR(10) NOT NULL

□);
```

```
CREATE TABLE BRANCH (
        BRANCH_ID INTEGER PRIMARY KEY,
        ADDRESS VARCHAR(30),
        CITY VARCHAR(20),
       NAME VARCHAR(20) NOT NULL,
       STATE VARCHAR(12),
        ZIP_CODE VARCHAR(10)
  CREATE TABLE CUSTOMER (
       CUST_ID INTEGER PRIMARY KEY,
       ADDRESS VARCHAR(30),
       CITY VARCHAR(20),
       CUST_TYPE_CD VARCHAR(1) NOT NULL,
       FED_ID VARCHAR(12) NOT NULL,
       POSTAL_CODE VARCHAR(10),
       STATE VARCHAR(20)
CREATE TABLE DEPARTMENT (
```

NAME VARCHAR(20) NOT NULL

```
CREATE TABLE EMPLOYEE (

EMP_ID INTEGER PRIMARY KEY,

END_DATE DATE,

FIRST_NAME VARCHAR(20) NOT NULL,

LAST_NAME VARCHAR(20) NOT NULL,

START_DATE DATE NOT NULL,

TITLE VARCHAR(20),

ASSIGNED_BRANCH_ID INTEGER,

DEPT_ID INTEGER,

SUPERIOR_EMP_ID INTEGER,

FOREIGN KEY (ASSIGNED_BRANCH_ID) REFERENCES BRANCH(BRANCH_ID),

FOREIGN KEY (DEPT_ID) REFERENCES DEPARTMENT(DEPT_ID),

FOREIGN KEY (SUPERIOR_EMP_ID) REFERENCES EMPLOYEE(EMP_ID)
```

```
✓ CREATE TABLE PRODUCT (

PRODUCT_CD VARCHAR(10) PRIMARY KEY,

DATE_OFFERED DATE,

DATE_RETIRED DATE,

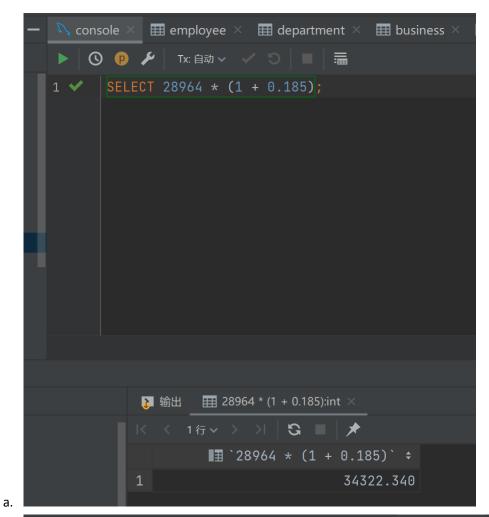
NAME VARCHAR(50) NOT NULL,

PRODUCT_TYPE_CD VARCHAR(255)

□);
```

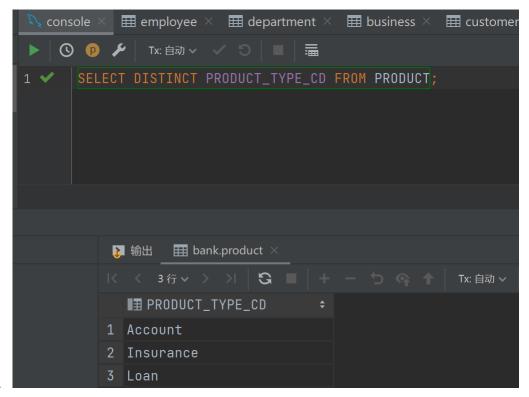
```
PRODUCT_TYPE (
PRODUCT_TYPE_CD VARCHAR(255) PRIMARY KEY,
NAME VARCHAR(50)

);
```

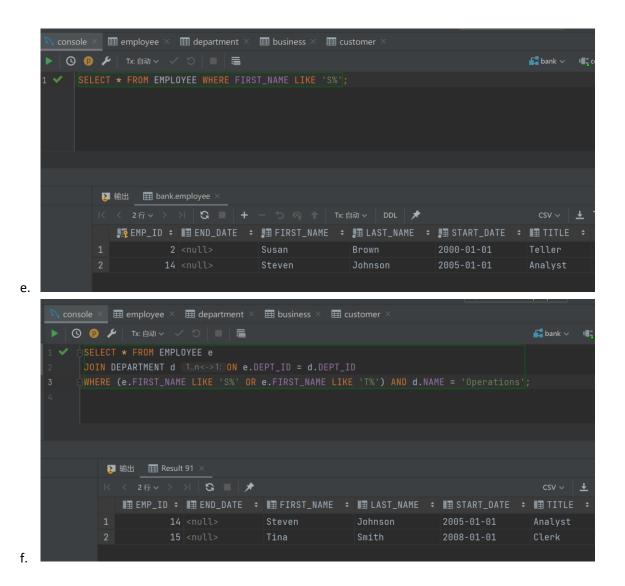


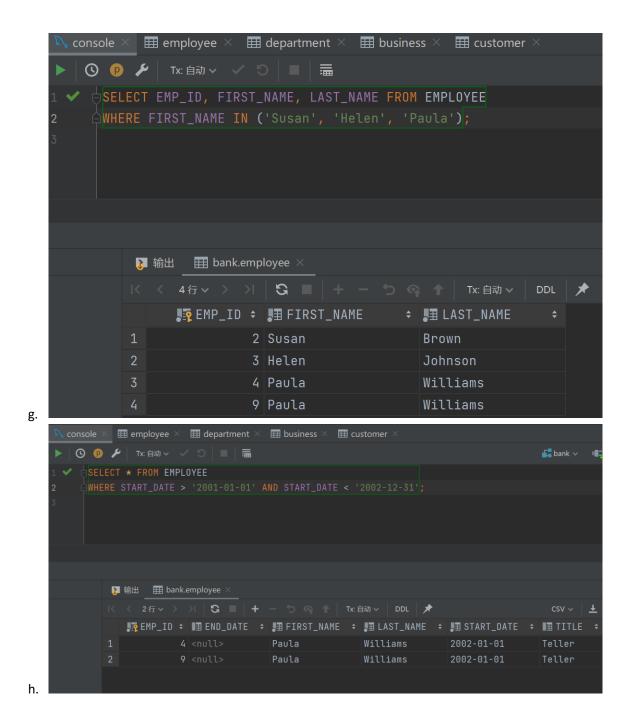
| Image: marked with the province of the pro

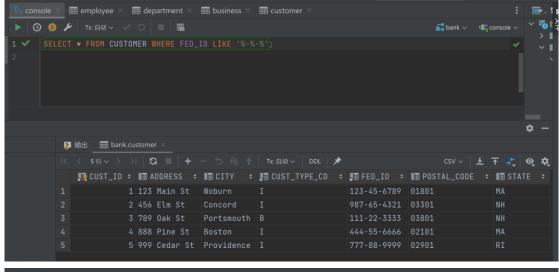
b.

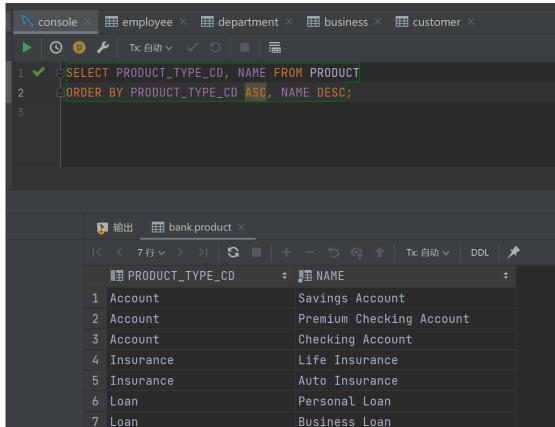


d.



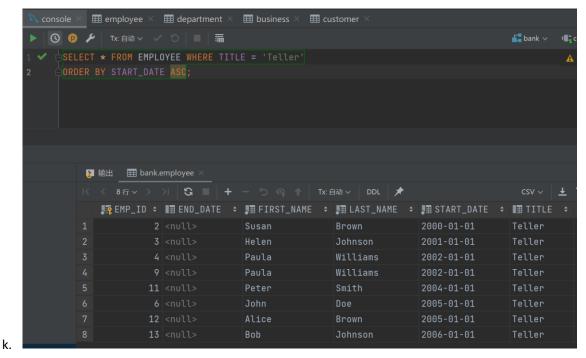




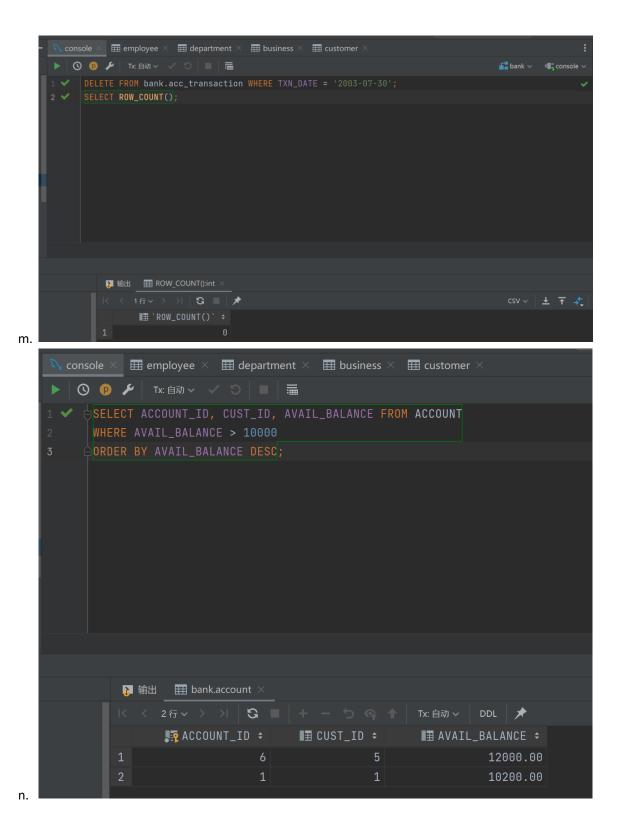


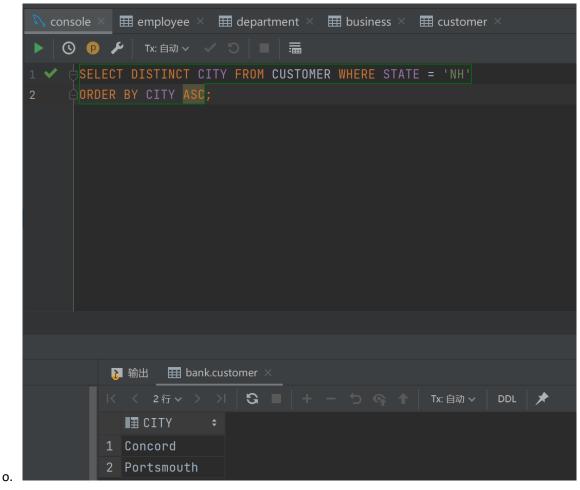
j.

i.

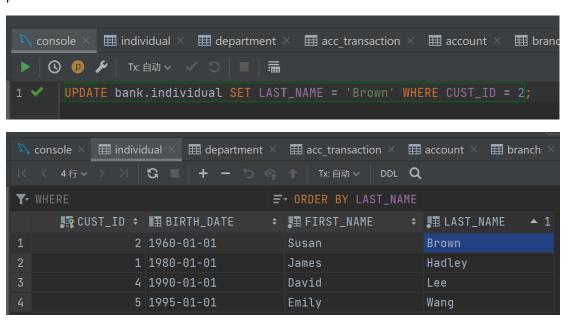


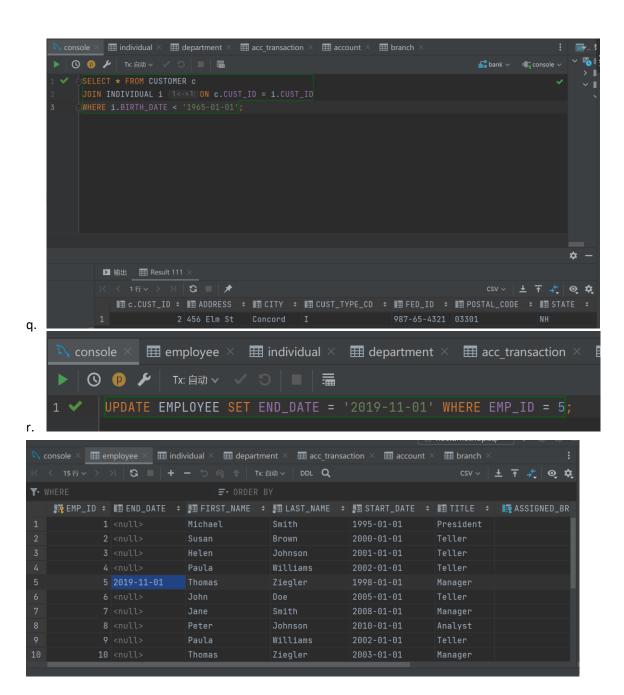
I.

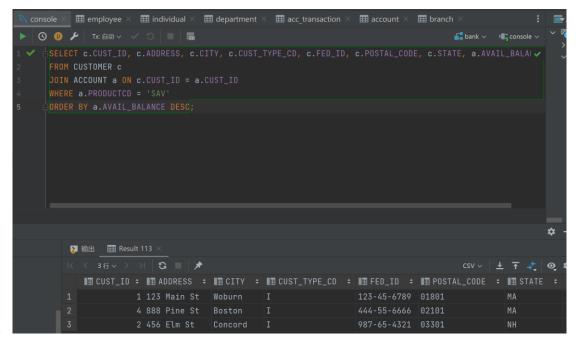




p.







c