```
1.
 postgres=# CREATE DATABASE testdb;
 CREATE DATABASE
 postgres=# \l
            | 拥有者 | 字元编码 | Locale Pr
 ale | ICU Rules |
                       存取权限
                     UTF8
                               | libc
  postgres | Φ
  template0 | Φ
                      UTF8
                                  | libc
                  | =c/"Φ"
                   | "Φ"=CTc/"Φ"
                   UTF8
  template1 | Φ
                               | libc
                   =c/"Φ"
                   | "Φ"=CTc/"Φ"
                    UTF8 | libc
              ΙΦ
  testdb
 (4 行记录)
testdb=# CREATE TABLE "user" (
              id SERIAL PRIMARY
testdb(#
testdb(#
              name VARCHAR(100),
            sex VARCHAR(100, age INT,
testdb(#
              age INT,
testdb(#
              phone VARCHAR(15)
testdb(#
testdb(# );
CREATE TABLE
testdb=# INSERT INTO "user" (name, sex, age, phone) VALUES
testdb-# ('John Doe', 'Male', 25, '123-456-7890'), testdb-# ('Jane Smith', 'Female', 31, '987-654-3210'), testdb-# ('Bob Johnson', 'Male', 22, '555-123-4567');
 testdb=# SELECT * FROM "user"
 testdb-# WHERE age BETWEEN 20 AND 30;
          name | sex | age | phone
 id |
```

25 | 123-456-7890

3

(2 行记录)

1 | John Doe | Male |

3 | Bob Johnson | Male | 22 | 555-123-4567

```
testdb=# INSERT INTO "user" (name,sex,age,phone)
testdb=# VALUES
testdb=# ('肖璟仪','Female',19,'13786659795'),
testdb=# ('肖曦文','Female',19,'123456789'),
testdb=# ('肖羽萱','Female',19,'7777777');
INSERT 0 3
```

```
postgres=# SELECT * FROM "user";
 id |
                          age
                                    phone
        name
                    sex
 1 | John Doe
                  Male
                            25 | 123-456-7890
    Jane Smith
                   Female
                            31 | 987-654-3210
   Bob Johnson
                  Male
                            22 | 555-123-4567
 4
    |肖曦文
                  Female
                            27 | 7171717
      当羽萱
                            22
                               | 7171717
                  Female
  6 | 肖璟仪
                  Female |
                            19 | 13786659795
(6 行记录)
```

4

5.

6.

```
postgres=# CREATE TABLE "team" (
               id SERIAL PRIMARY KEY,
postgres(#
               teamName VARCHAR(255) NOT NULL
postgres(#
postgres(# );
CREATE TABLE
postgres=#
postgres=# CREATE TABLE "score" (
               id SERIAL PRIMARY KEY,
postgres(#
               teamid INT REFERENCES "team"(id),
postgres(#
               userid INT REFERENCES "user"(id),
postgres(#
postgres(#
               score INT NOT NULL
postgres(# );
CREATE TABLE
```

7.

```
postgres=# INSERT INTO "team" (teamName)
postgres-# VALUES ('ECNU'),('SJTU');
INSERT 0 2
postgres=# INSERT INTO "score" (teamid, userid, score)
postgres-# VALUES
postgres-# (1, 1, 100),
postgres-# (1, 2, 88),
postgres-# (1, 3, 77);
INSERT 0 3
postgres=# INSERT INTO "score" (teamid, userid, score)
postgres-# VALUES
postgres-# (1,4,66),
postgres-# (1,5,50),
postgres-# (1,6,99);
INSERT 0 3
postgres=# SELECT u.*
postgres-# FROM "user" u
postgres-# JOIN "score" s ON u.id = s.userid
postgres-# JOIN "team" t ON s.teamid = t.id
postgres-# WHERE t.teamName = 'ECNU' AND u.age < 20;</pre>
id |
       name
                sex
                      age
                                 phone
  6 | 肖璟仪 | Female | 19 | 13786659795
(1 行记录)
```

9.

```
postgres=# DELETE FROM "score" WHERE userid = 6;
DELETE 1
postgres=# DELETE FROM "user" WHERE id = 6;
DELETE 1
postgres=# SELECT * FROM "user";
id name
                 sex
                         age
                                   phone
 1 | John Doe
                  Male
                            25 | 123-456-7890
  2 | Jane Smith
                  Female |
                            31 | 987-654-3210
  3 | Bob Johnson | Male
                            22 | 555-123-4567
                            27 | 7171717
  4 | 肖曦文
                 | Female |
 5 | 肖羽萱
                 | Female |
                            22 | 7171717
(5 行记录)
```