Homework5

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```
mysql> create table user(
    -> id int auto_increment primary key,
    -> name varchar(100) not null,
    -> sex enum('Female','Male') not null,
    -> age int not null,
    -> phone varchar(100) not null);
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> desc user;
                          | Null | Key | Default | Extra
 Field | Type
                                | PRI | NULL | auto_increment
 id
      | int
                          l NO
 name | varchar(100)
                          l NO l
                                     NULL
      | enum('Female','Male') | NO | NULL
      | int
                          NO I
                                     NULL
 age
 phone | varchar(100)
                          NO |
                                     NULL
5 rows in set (0.00 sec)
```

```
mysql> INSERT INTO user (name, sex, age, phone) VALUES
-> ('John Doe', 'Male', 25, '123-456-7890'),
-> ('Jane Smith', 'Female', 31, '987-654-3210'),
-> ('Bob Johnson', 'Male', 22, '555-123-4567');
Query OK, 3 rows affected (0.03 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> select * from user;
  id | name
                                         age phone
                              sex
    1 | John Doe
                              Male
                                             25 | 123-456-7890
    2 | Jane Smith
                             Female
                                             31 |
                                                    987-654-3210
    3 | Bob Johnson | Male
                                             22 l
                                                    555-123-4567
3 rows in set (0.00 sec)
```

```
mysql> select * from user;
 id | name
                     sex
                             age | phone
   1 | John Doe
                    Male
                               25 | 123-456-7890
      Jane Smith
                     Female
                               31 | 987-654-3210
   3 | Bob Johnson
                    Male
                               22 | 555-123-4567
3 rows in set (0.01 sec)
mysql> select id, name, age from user
    -> where age between 20 and 30;
 id | name
                     age
   1 | John Doe
                      25
   3 | Bob Johnson |
                      22
2 rows in set (0.00 sec)
```

```
mysql> insert into user(name,sex,age,phone)
-> values('Yu chao yi','Male',19,'159-7031-4987'),
-> ('Yu shuai ge','Male',38,'199-9999-0000'),
-> ('Yu ling','Female',88,'123-7777-7777'),
-> ('Yu qing gao wa','Female',9,'144-5555-6666');
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> select * from user;
  id
                                   age |
                                         phone
       name
                         sex
       John Doe
                                         123-456-7890
   1
                         Male
                                    25
   2
       Jane Smith
                         Female
                                    31
                                         987-654-3210
   3
       Bob Johnson
                         Male
                                    22
                                         555-123-4567
   4
       Yu chao yi
                                         159-7031-4987
                         Male
                                    20
   5
       Yu shuai ge
                                    29
                                         199-9999-0000
                         Male
   6
       Yu ling
                         Female
                                    23
                                         123-7777-7777
       Yu qing gao wa
                                    25
                                         144-5555-6666
                         Female
7 rows in set (0.00 sec)
```

```
mysql> select id, name, age from user
    -> where (age between 20 and 30) and (name like 'Yu%')
    -> order by
    -> age desc;
  id | name
                        age
   5
       Yu shuai ge
                          29
   7
       Yu qing gao wa
                          25
   6
       Yu ling
                          23
       Yu chao yi
                          20
4 rows in set (0.00 sec)
```

```
mysql> create table team(
    -> id int primary key,
    -> teamName varchar(100) not null);
Query OK, 0 rows affected (0.04 sec)

mysql> create table score(
    -> id int primary key,
    -> score float,
    -> userid int not null,
    -> teamid int not null,
    -> foreign key(userid) references user(id),
    -> foreign key(teamid) references team(id));
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> insert into team(id,teamname)
    -> values(1,'ECNU'),
    -> (2,'SJTU'),
    -> (3,'TJU');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> insert into score(id, score, userid, teamid)
    -> values(1,92.8,1,2),
    -> (2,93.4,2,3),
    \rightarrow (3,98.1,3,3),
    -> (4,99.9,4,2),
    -> (5,60.8,5,1),
    -> (6,60.3,6,1),
    \rightarrow (7,60.1,7,1);
Query OK, 7 rows affected (0.01 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

```
mysql> delete from score
    -> where id=4;
Query OK, 1 row affected (0.00 sec)

mysql> delete from user
    -> where id=4;
Query OK, 1 row affected (0.00 sec)
```