第一题

```
mysql> USE hw5;
Database changed
mysql> CREATE TABLE user(
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> name VARCHAR(255),
      -> sex VARCHAR(10),
      -> age INT,
      -> phone VARCHAR(20)
-> );
Query OK, 0 rows affected (0.06 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 (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> SELECT *FROM user;
   id | name
                                                          phone
                                               age
           John Doe
                                 Male
                                                  25
                                                          123-456-7890
                                                          987-654-3210
     2
           Jane Smith
                                                  31
                                 Female
           Bob Johnson
                                Male
                                                  22
                                                          555-123-4567
   rows in set (0.00 sec)
```

第二题

```
mysql> SELECT * FROM user
    -> WHERE age >= 20 AND age <= 30;
 id | name
                   sex
                                | phone
                          age
      John Doe
                              25
                                   123-456-7890
                     Male
                                   555-123-4567
  3
      Bob Johnson
                    Male
                              22
2 rows in set (0.00 sec)
```

第三题

```
mysql> INSERT INTO user(name,sex,age,phone)
      -> VALUES
-> VALUES
-> ('Chenyu Li','Female',19,'191-2122-8658'),
-> ('Yu Li','Male',19,'121-5647-9234'),
-> ('Chen Li','Female',20,'131-4537-8726');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql> SELECT *FROM user;
 | id | name
                               sex
                                          age
                                                    phone
                                                       123-456-7890
          John Doe
                               Male
                                                25
                                                31
                                                       987-654-3210
    2
          Jane Smith
                               Female
                                                       555-123-4567
    3
          Bob Johnson
                               Male
                                                22
                                                       191-2122-8658
    4
          Chenyu Li
                               Female
                                                19
                                                       121-5647-9234
    5
          Yu Li
                               Male
                                                19
                                                       131-4537-8726
    6
          Chen Li
                               Female
                                                20
  rows in set (0.00 sec)
```

第四题

第五题

第六题

```
mysql> CREATE TABLE team(
    -> id INT KEY AUTO_INCREMENT,
    -> teamName VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE score (
    -> id INT PRIMARY KEY AUTO_INCREMENT,
    -> teamid INT,
    -> userid INT,
    -> score INT,
    -> FOREIGN KEY (teamid) REFERENCES team(id),
    -> FOREIGN KEY (userid) REFERENCES user(id)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

第七题

```
mysql> INSERT INTO team(teamName)
   -> VALUES
   -> ('ECNU'),
   -> ('SJTU'),
   -> ('FDU'),
   -> ('TJU');
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> INSERT INTO score (teamid, userid, score)
-> VALUES
-> (2,1,90),
-> (1,2,60),
-> (3,3,99),
-> (1,4,95),
-> (1,5,56),
-> (4,6,23);
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT u.*
    -> FROM user u
   -> JOIN score s ON u.id = s.userid
   -> JOIN team t ON s.teamid = t.id
   -> WHERE t.teamName = 'ECNU' AND u.age < 20;
 id | name
                  sex
                           age | phone
      Chenyu Li
  4
                   Female
                              19
                                   191-2122-8658
  5
      Yu Li
                              19
                                 121-5647-9234
                  Male
2 rows in set (0.01 sec)
```

第八题

```
mysql> SELECT COALESCE(SUM(s.score), 0) AS total_score
    -> FROM team t
    -> JOIN score s ON t.id = s.teamid
    -> WHERE t.teamName = 'ECNU';
+-----+
| total_score |
+-----+
| 211 |
+-----+
1 row in set (0.00 sec)
```

第九题