

```

mysql> -- 创建 team 表
Query OK, 0 rows affected (0.00 sec)

mysql> CREATE TABLE team (
->     id INT AUTO_INCREMENT PRIMARY KEY,
->     teamName VARCHAR(50) NOT NULL
-> );
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> -- 创建 score 表, 其中 teamid 和 userid 分别是外键
Query OK, 0 rows affected (0.00 sec)

mysql> CREATE TABLE score (
->     id INT AUTO_INCREMENT PRIMARY KEY,
->     teamid INT,
->     userid INT,
->     score INT NOT NULL,
->     FOREIGN KEY (teamid) REFERENCES team(id),
->     FOREIGN KEY (userid) REFERENCES user(id)
-> );
Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO team (teamName) VALUES
-> ('ECNU'),
-> ('Team A'),
-> ('Team B');
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql>
mysql> INSERT INTO score (teamid, userid, score) VALUES
-> (1, 1, 85),
-> (1, 2, 90),
-> (2, 3, 78),
-> (3, 4, 88);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> SELECT SUM(IFNULL(s.score, 0)) AS total_score
-> FROM score s
-> JOIN team t ON s.teamid = t.id
-> WHERE t.teamName = 'ECNU';
+-----+
| total_score |
+-----+
|          175 |
+-----+
1 row in set (0.00 sec)

```

```
mysql> DELETE FROM score WHERE userid = (SELECT id FROM user WHERE name = 'Yang  
Yiting');
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> █
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> USE mydatabase;
ERROR 1049 (42000): Unknown database 'mydatabase'
mysql> SELECT * FROM mytable;
ERROR 1046 (3D000): No database selected
mysql> -- 创建数据库 (如果还没有的话)
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> CREATE DATABASE mydatabase;
Query OK, 1 row affected (0.00 sec)
```

```
mysql> USE mydatabase;
Database changed
mysql>
mysql> -- 创建 user 表
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> CREATE TABLE user (
->     id INT AUTO_INCREMENT PRIMARY KEY,
->     name VARCHAR(50) NOT NULL,
->     sex VARCHAR(10) NOT NULL,
->     age INT NOT NULL,
->     phone VARCHAR(15) NOT NULL
-> );
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>
mysql> -- 插入数据
Query OK, 0 rows affected (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 (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql>
mysql> -- 查看插入结果
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> 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

```

+----+-----+-----+-----+-----+
| 1 | John Doe | Male | 25 | 123-456-7890 |
| 2 | Jane Smith | Female | 31 | 987-654-3210 |
| 3 | Bob Johnson | Male | 22 | 555-123-4567 |
+----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

```

mysql> SELECT * FROM user
-> WHERE age >= 20 AND age <= 30;

```

```

+----+-----+-----+-----+-----+
| id | name | sex | age | phone |
+----+-----+-----+-----+-----+
| 1 | John Doe | Male | 25 | 123-456-7890 |
| 3 | Bob Johnson | Male | 22 | 555-123-4567 |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

```

```

mysql> INSERT INTO user (name, sex, age, phone) VALUES
-> ('Yang Yiting', 'female', 21, '19851369665');
Query OK, 1 row affected (0.00 sec)

```

```

mysql>
mysql> INSERT INTO user (name, sex, age, phone) VALUES
-> ('Yang Ming', 'Male', 28, '111-222-3333'),
-> ('Yang Li', 'Female', 24, '222-333-4444'),
-> ('Yang Wei', 'Male', 30, '333-444-5555');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

```

```

mysql> SELECT * FROM user
-> WHERE age BETWEEN 20 AND 30
-> AND name LIKE 'Yang%'
-> ORDER BY age DESC;

```

```

+----+-----+-----+-----+-----+
| id | name | sex | age | phone |
+----+-----+-----+-----+-----+
| 7 | Yang Wei | Male | 30 | 333-444-5555 |
| 5 | Yang Ming | Male | 28 | 111-222-3333 |
| 6 | Yang Li | Female | 24 | 222-333-4444 |
| 4 | Yang Yiting | female | 21 | 19851369665 |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```

mysql> SELECT AVG(age) AS average_age FROM user;
+-----+
| average_age |
+-----+
| 25.8571 |
+-----+
1 row in set (0.00 sec)

```