

```
mysql> CREATE DATABASE my_database;
Query OK, 1 row affected (0.01 sec)

mysql> USE my_database;
Database changed
mysql> CREATE TABLE user (
  ->   id INT AUTO_INCREMENT PRIMARY KEY,
  ->   name VARCHAR(100) NOT NULL,
  ->   sex ENUM('Male', 'Female') NOT NULL,
  ->   age INT NOT NULL,
  ->   phone VARCHAR(15) NOT NULL
  -> );
Query OK, 0 rows affected (0.03 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
  -> WHERE age BETWEEN 20 AND 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
  -> ('Han Dong', 'Male', 19, '159-430-6305'),
  -> ('Hanhan Dong', 'Female', 20, '520-521-5237'),
  -> ('Andy Dong', 'Male', 25, '256-864-8925');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

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
4	Han Dong	Male	19	159-430-6305
5	Hanhao Dong	Female	20	520-521-5237
6	Andy Dong	Male	25	256-864-8925

6 rows in set (0.00 sec)

```
mysql> SELECT * FROM user WHERE age>=20 && age<=30 AND name like 'Dong';
Empty set, 1 warning (0.00 sec)
```

```
mysql> SELECT AVG(age) FROM user;
```

AVG(age)
23.6667

1 row in set (0.00 sec)

```
mysql> create table team(
  -> id int auto_increment primary key,
  -> teamName VARCHAR(255) NOT NULL
  -> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> create table team(
  -> id int auto_increment primary key,
  -> teamName VARCHAR(255) NOT NULL
  -> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> create table score(
  -> id int auto_increment primary key,
  -> teamid int not null,
  -> userid int not null,
  -> score decimal(10,2) not null,
  -> foreign key (teamid) references team(id),
  -> foreign key (userid) references user(id)
  -> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> insert into team(teamName)
```

->

-> values ('ECNU');

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO score (teamid, userid, score) VALUES (1, 1, 80);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> INSERT INTO score (teamid, userid, score) VALUES (1, 2, 90);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO score (teamid, userid, score) VALUES (1, 3, 85);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select sum(coalesce(s.score, 0)) as total_score
  -> from team t
  -> join score s on t.id =s.teamid
  -> where t.teamName = 'ECNU';
```

total_score
255.00

1 row in set (0.00 sec)