

3.

```
CREATE DATABASE mydatabase;
USE mydatabase;
CREATE TABLE user (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100) NOT NULL,
    sex ENUM('男','女'),
    age INT,
    phone VARCHAR(20)
);
INSERT INTO user (name, sex, age, phone) VALUES ('张三', '男', 25, '13812345678');
INSERT INTO user (name, sex, age, phone) VALUES ('李四', '女', 30, '13987654321');
INSERT INTO user (name, sex, age, phone) VALUES ('王五', '男', 35, '13012345678');
```

4.

```
SELECT * FROM user WHERE age BETWEEN 20 AND 30;
```

5.

```
DELETE FROM user WHERE name LIKE '%张%';
```

6.

```
SELECT AVG(age) AS average_age FROM user;
```

7.

```
SELECT * FROM user WHERE age BETWEEN 20 AND 30 AND name LIKE '%张%'
ORDER BY age DESC;
```

8.

```
CREATE TABLE team (
    id INT PRIMARY KEY,
    teamName VARCHAR(100) NOT NULL
);

CREATE TABLE score (
    id INT PRIMARY KEY,
    teamid INT,
    userid INT,
    score DECIMAL(5,2),
    FOREIGN KEY (teamid) REFERENCES team(id),
    FOREIGN KEY (userid) REFERENCES user(id)
);
```

9.

```
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;
```

10.

```
SELECT SUM(COALESCE(score, 0)) AS total_score  
FROM score  
JOIN team ON score.teamid = team.id  
WHERE team.teamName = 'ECNU';
```