```
1.
```

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');

	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
	NULL	NULL	NULL	NULL	NULL

2.

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
	NULL	NULL	NULL	NULL	NULL

3.

```
INSERT INTO user (name, sex, age, phone) VALUES
('Zhou Yong jia', 'Male', 19, '188-3556-3679'),
('Zhou Feng', 'Female', 24, '122-3344-5566'),
('Zhou Yu', 'Male', 29, '987-6544-3211');
```

	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	Zhou Yong jia	Male	19	188-3556-3679
	5	Zhou Feng	Female	24	122-3344-5566
	6	Zhou Yu	Male	29	987-6544-3211
	NULL	NULL	NULL	NULL	NULL

4.

SELECT * FROM user

WHERE age BETWEEN 20 AND 30

AND name LIKE 'Zhou%'

ORDER BY age DESC;

	id	name	sex	age	phone
•	6	Zhou Yu	Male	29	987-6544-3211
	5	Zhou Feng	Female	24	122-3344-5566
	NULL	NULL	NULL	NULL	NULL

5.

SELECT AVG(age) AS average_age FROM user;

	average_age
•	25.0000

6.

```
CREATE TABLE team (
      id INT PRIMARY KEY AUTO INCREMENT,
      teamName VARCHAR(50)
  );
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)
 );
INSERT INTO team (teamName) VALUES ('ECNU'),('NJU');
INSERT INTO score (teamid, userid, score) VALUES
(1, 1, 85),
(2, 2, 90),
(2, 3, 66),
(1, 4, 70),
(1, 5, 88),
(1, 6, 99);
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
•	4	Zhou Yong jia	Male	19	188-3556-3679

8.

```
SELECT t.teamName,
      COALESCE(SUM(CASE WHEN s.score IS NULL THEN 0 ELSE s.score END), 0) AS total_score
FROM score s
JOIN team t ON s.teamid = t.id
WHERE t.teamName = 'ECNU';
                       total_score
        teamName
      ECNU
```

9.

DELETE FROM user WHERE name = 'Zhou Yong jia';

342

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
5	Zhou Feng	Female	24	122-3344-5566
6	Zhou Yu	Male	29	987-6544-3211