```
// 代码
USE data_engineering;
/*TRUNCATE TABLE users;
INSERT INTO users (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');
SELECT * FROM users;*/
-- 2
/*SELECT * FROM users
WHERE age BETWEEN 20 AND 30;*/
/*INSERT INTO users (name, sex, age, phone)
VALUES
('Feiting Zou', 'Male', 20, '123-456-7890'),
('Xuening Zou', 'Female', 21, '987-654-3210'),
('Jiamin Zou', 'Male', 20, '555-123-4567');
SELECT * FROM users;*/
-- 4
/*SELECT *
FROM users
WHERE age BETWEEN 20 AND 30
  AND name LIKE '%Zou%'
ORDER BY age DESC;*/
-- 5
/*SELECT AVG(age) AS average age
FROM users;*/
-- 6
/*CREATE TABLE team (
    id INT AUTO INCREMENT PRIMARY KEY,
    teamName VARCHAR(255) NOT NULL
);
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 users(id)
);*/
--7
/*INSERT INTO team (teamName) VALUES ('ECNU');
INSERT INTO team (teamName) VALUES ('ECUN');
INSERT INTO score (teamid, userid, score) VALUES (2, 1, 85);
INSERT INTO score (teamid, userid, score) VALUES (2, 2, 90);
INSERT INTO score (teamid, userid, score) VALUES (2, 3, 85);
INSERT INTO score (teamid, userid, score) VALUES (1, 4, 90);
INSERT INTO score (teamid, userid, score) VALUES (1, 5, 85);
INSERT INTO score (teamid, userid, score) VALUES (1, 6, 90);
-- 查询 teamName 为 "ECNU" 的队伍中,年龄小于 20 的用户们
SELECT*
FROM users u
WHERE u.age < 25 AND EXISTS (
    SELECT 1
    FROM team t
    WHERE t.teamName = 'ECNU' AND EXISTS (
         SELECT 1
         FROM score s
         WHERE s.teamid = t.id AND s.userid = u.id
    )
);*/
/*SELECT SUM(COALESCE(s.score, 0)) AS totalScore
FROM team t
JOIN score s ON t.id = s.teamid
WHERE t.teamName = 'ECNU';*/
/*DELETE FROM score WHERE userid = 4;
DELETE FROM users WHERE id = 4;*/
```

## 最初的 user,team,score

	id	name	sex	age	phone		
١	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		

	id	teamName
•	1	ECNU
	2	ECUN
	NULL	NULL

	id	teamid	userid	score
•	1	2	1	85
	2	2	2	90
	3	2	3	85
	4	1	4	90
	5	1	5	85
	6	1	6	90
	NULL	NULL	NULL	NULL

## // 答案

-- 2





-- 4 Result Grid Edit: Filter Rows: phone id name sex age 5 Xuening Zou female 987-654-3210 21 4 Feiting Zou male 20 123-456-7890 Jiamin Zou 555-123-4567 6 male 20 HULL HULL NULL HULL NULL

average\_age

23.1667

-- 7 Edit: id name phone sex age 4 Feiting Zou male 20 123-456-7890 5 Xuening Zou female 21 987-654-3210 Jiamin Zou male 20 555-123-4567 6 NULL NULL NULL NULL HULL

totalScore

totalScore

