

# Sorting & limiting

## SQL Reference

### ORDER BY and LIMIT

ORDER BY sorts 排序 the result rows. Add DESC for descending 降序 (high to low); the default is ascending 升序 (low to high).

```
CREATE TABLE student (id INTEGER, name TEXT, score INTEGER);
INSERT INTO student VALUES (1, 'Mei', 88), (2, 'Sam', 71), (3, 'Ana', 95);
SELECT name, score FROM student ORDER BY score DESC;
```

### Sort by more than one column

List several columns. A tie 平局 in the first column is broken by the next.

```
CREATE TABLE student (id INTEGER, name TEXT, score INTEGER);
INSERT INTO student VALUES (1, 'Mei', 88), (2, 'Sam', 88), (3, 'Ana', 95);
SELECT name, score FROM student ORDER BY score DESC, name ASC;
```

### LIMIT (top-N)

LIMIT n keeps only the first n rows —pair it with ORDER BY for a top-N 前 N 名 list.

```
CREATE TABLE student (id INTEGER, name TEXT, score INTEGER);
INSERT INTO student VALUES (1, 'Mei', 88), (2, 'Sam', 71), (3, 'Ana', 95);
SELECT name, score FROM student ORDER BY score DESC LIMIT 2;
```