select – 从数据库中提取数据

SELECT column\_name,column\_name FROM table\_name WHERE column\_name 条件;

SELECT DISTINCT column\_name,column\_name FROM table\_name; distinct 不同

update – 更新数据库中的数据

UPDATE table\_name SET column1=value1,column2=value2,... WHERE some\_column = some\_value;

delete – 从数据库中删除数据

DELETE FROM table\_name WHERE some\_column=some\_value;

insert into – 想数据库中插入新数据

INSERT INTO table\_name (column1,column2,column3,...) VALUES (value1,value2,value3,...);

create database – 创建新数据库

alter datebase – 修改数据库

create table – 创建新数据库表

alter table – 修改数据库表

drop table – 删除数据库表

create index – 创建索引

drop index – 删除索引

条件(WHERE)

| **运算符** | **例子** | **描述** |
| --- | --- | --- |
| =，<>(!=)，>，<，>=，<= | Col\_name != 1 | 等于，不等于，大于，小于，大于等于，小于等于 |
| between … and … | Col\_name BETWEEN 1.5 AND 5 | 在某个范围内 |
| Not between … and … | Col\_name NOT BETWEEN 1 AND 10 | 不在某个范围内 |
| LIKE | Col\_name LIKE "ABC" | 等于 |
| NOT LIKE | Col\_name NOT LIKE "ABCD" | 不等于 |
| % | Col\_name LIKE "%AT%"  (matches "AT", "ATTIC", "CAT" or even "BATS") | 模糊匹配 |
| \_ | Col\_name LIKE "AN\_"  (matches "AND", but not "AN") | 模糊匹配单字符 |
| IN (…) | Col\_name IN(1,2,3) | 在某个集合 |
| NOT IN (…) | Col\_anme NOT IN(“A”,”B”,”C”) | 不在某个集合 |
| AND | SELECT \* FROM Websites WHERE country='CN' AND alexa > 50; | 如果第一个条件和第二个条件都成立，则 AND 运算符显示一条记录。 |
| OR | SELECT \* FROM Websites WHERE country='USA'  OR country='CN'; | 如果第一个条件和第二个条件中只要有一个成立，则 OR 运算符显示一条记录。 |

排序(rows)

SELECT column\_name,column\_name

FROM table\_name

ORDER BY column\_name,column\_name ASC|DESC;

select \* from table where col > 1 order by col asc limit 2 offset 2

| **运算符** | **例子** | **描述** |
| --- | --- | --- |
| order by | ORDER BY col | 按col 排序(默认升序) |
| ASC | ORDER BY col ASC | 升序 |
| DESC | ORDER BY col DESC | 降序 |
| limit offset | LIMIT num\_limit OFFSET num\_offset | 从offset取limit |
| order by | ORDER BY col1 ASC,col2 DESC | 多列排序 |