

1.database architecture

Server - database - table view procedure function

Table - column data constraint(primary key | foreign key | not null | unique | default)

index trigger

View - column

2.SQL language

1.database

- ①create database database_name;
- ②show databases;
- ③use database_name;
- ④alter database database_name alter_spec;
- ⑤drop database database_name;

2.table

- ①create table table_name(column type constraint);
- ②show tables;
- ③show create table table_name;
- ④show columns from table_name from database_name; show columns from database_name.table_name;
- ⑤desc(describe) table_name; desc(describe) table_name column_name;
- ⑥alter table table_name alter_spec;
- ⑦rename table table_name1 to table_name2;
- ⑧drop table table_name;

3.view

- ①create view view_name (column_list) as select column_list from table_list;
- ②show create view view_name;
- ③drop view view_name;

4.insert

insert into table_name (column_list) values (value_list);

5.update

update table_name set column_name=value where expression;

6.delete

delete from table_name where expression;

7.select

①select*/column_list from table_list/view_list

where expression;

order by column_name asc/desc;

group by column_name;

having expression;

limit offset,row count;

②select*/column_list from table_name1/view_name1 inner join/left outer join/right

outer join table_name2/view_name2 on expression;

③select expression1 union/union all select expression2;

8.index

①create [unique/fulltext/spatial] index index_name on table_name (col_name[length])
[asc/desc];

②show index from table_name;

③drop index index_name on table_name;