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;