

Mysql常用命令

数据定义语句(DDL)

数据库操作

- 登录数据库: `mysql -uroot -proot`
- 创建数据库: `create database test`
- 查看所有数据库: `show databases`
- 使用数据库: `use test`
- 查看所有数据表: `show tables`
- 删除数据库: `drop database test`

表操作

- 创建表: `create table emp(ename varchar(10),hiredate date,sal decimal(10,2),deptno int(2))`
`create table dept(deptno int(2),deptname varchar(10))`
- 查看表的定义: `desc emp`
- 查看表定义 (详细) : `show create table emp \G`
- 删除表: `drop table emp`
- 修改表字段: `alter table emp modify ename varchar(20)`
- 添加表字段: `alter table emp add column age int(3)`
- 删除表字段: `alter table emp drop column age`
- 字段改名: `alter table emp change age age1 int(4)`
- 修改表名: `alter table emp rename emp1`

数据操纵语句(DML)

插入记录

- 指定名称插入: `insert into emp (ename,hiredate,sal,deptno) values ('zhangsan','2018-01-01','2000',1)`
- 不指定名称插入: `insert into emp values ('lisi','2018-01-01','2000',1)`
- 批量插入数据: `insert into dept values(1,'dept1'),(2,'dept2')`

修改记录

`update emp set sal='4000',deptno=2 where ename='zhangsan'`

删除记录

`delete from emp where ename='zhangsan'`

查询记录

- 查询所有记录: `select * from emp`
- 查询不重复的记录: `select distinct deptno from emp`
- 条件查询: `select * from emp where deptno=1 and sal<3000`
- 排序和限制: `select * from emp order by deptno desc limit 2`
- 聚合(查询部门人数大于1的部门编号): `select deptno,count(1) from emp group by deptno having count(1) > 1`
- 连接查询: `select * from emp e left join dept d on e.deptno=d.deptno`
- 子查询: `select * from emp where deptno in (select deptno from dept)`
- 记录联合: `select deptno from emp union select deptno from dept`

数据控制语句(DCL)

- 授予操作权限: `grant select,insert on test.* to 'test'@'localhost' identified by '123'`
- 收回操作权限: `revoke insert on test.* from 'test'@'localhost'`

其他

字符集相关

- 查看字符集: `show variables like 'character%'`
- 创建数据库时指定字符集: `create database mall character set utf8`

修改时区

- 修改mysql全局时区为北京时间,即我们所在的东8区: `set global time_zone = '+8:00';`
- 修改当前会话时区: `set time_zone = '+8:00'`
- 立即生效: `flush privileges`

权限相关

- 授予所有数据库的所有权限: `grant all privileges on . to z1@localhost identified by '123'`
- 授予所有数据库的所有权限(包括grant): `grant all privileges on . to z1@localhost with grant option`
- 授予SUPER PROCESS FILE权限: `grant super,process,file on . to z3@localhost`
- 只授予登录权限: `grant usage on . to z4@localhost`
- 查看账号权限: `show grants for z1@localhost`
- 修改自己的密码: `set password = password('123')`
- 管理员修改他人密码: `set password for 'z1'@'localhost' = password('123')`
- 删除账号: `drop user z2@localhost`