**使用mysql**

1、登录，可以用密码登录，也可以不用密码登录。命令格式“mysql –u 用户名 –p 密码”

|  |
| --- |
| [root@localhost src]# **mysql -u root –p**  //有密码登录  Enter password:  Welcome to the MySQL monitor. Commands end with ; or \g.  Your MySQL connection id is 3  [root@localhost src]# **mysql -u root**  //无密码登录 |

2、退出，命令“quit”

|  |
| --- |
| [root@localhost bin]# **quit** |

3、创建数据库，命令“create database 数据库名称;”，注意这个命令后面有分号

|  |
| --- |
| mysql> **create database test1;**  Query OK, 1 row affected (0.00 sec) |

4、查看数据库，命令“show databases;”

|  |
| --- |
| mysql> **show databases;**  +--------------------+  | Database |  +--------------------+  | information\_schema |  | mysql |  | test |  | test1 |  +--------------------+  4 rows in set (0.00 sec) |

5、删除数据库，命令“drop database 数据库名称;”

|  |
| --- |
| mysql> **drop database test1;**  Query OK, 0 rows affected (0.01 sec) |

6、设置权限

mysql允许给某个特定的用户赋予指定的权利，而且可以指定在某台机器上使用。Mysql的权限如下

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 权限 | 数据库 | Table | Column | 说明 |
| all privileges | √ |  |  | 所有权利 |
| alter | √ | √ |  | 增减、删除、修改列 |
| create | √ | √ |  | 创建数据库、表 |
| delete | √ | √ |  | 删除行 |
| drop | √ | √ |  | 删除表、数据库 |
| file | √ |  |  | 操作文件 |
| index | √ | √ |  | 索引 |
| insert | √ | √ | √ | 插入 |
| process | √ |  |  | 查看线程、连接 |
| reference | √ |  |  | 创建外键 |
| reload | √ |  |  | 重新加载，拥有此权限可以刷新表 |
| select | √ | √ | √ | 选择 |
| shutdown | √ |  |  | 关闭 |
| update | √ | √ | √ | 更新 |
| usage | √ |  |  | 无权限，只能连接 |

1）授权用户权限，命令格式“grant 权限 on 数据库文件 to 用户名@ip identified by ‘密码’;”。在使用grant的时候，如果用户不存在，那么久创建用户。

|  |
| --- |
| //给david在本机授权插入功能，密码123456，只能对test01操作  mysql> **grant insert on test01.\* to david@localhost identified by '123456';**  Query OK, 0 rows affected (0.00 sec)  mysql>  //给david所有权限，在所有的主机都可以操作，而且可以操作任意数据库  mysql> **grant all privileges on \*.\* to david@'%' identified by '123456';**  Query OK, 0 rows affected (0.00 sec)  mysql> |

2）查看当前数据库所有授权情况，命令“select host，user from mysql.user”

|  |
| --- |
| mysql> **select host,user from mysql.user;**  +-----------------------+-------+  | host | user |  +-----------------------+-------+  | % | david |  | 127.0.0.1 | root |  | localhost | |  | localhost | david |  | localhost | root |  | localhost.localdomain | |  | localhost.localdomain | root |  +-----------------------+-------+  7 rows in set (0.00 sec)  mysql> |

3）查看当前登录用户的权利，命令“show grants”

|  |
| --- |
| mysql> **show grants;**  +----------------------------------------------------------------------------------------------------------------------------------------+  | Grants for root@localhost |  +----------------------------------------------------------------------------------------------------------------------------------------+  | GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'localhost' IDENTIFIED BY PASSWORD '\*1256939B1977AFF6C3D114C5594EE354EF363A8B' WITH GRANT OPTION |  +----------------------------------------------------------------------------------------------------------------------------------------+  1 row in set (0.00 sec)  mysql> |

4）查看某个用户在某台机器的权限，命令“show grants for user@ip”

|  |
| --- |
| mysql> **show grants for david@localhost;**  +--------------------------------------------------------------------------------------------------------------+  | Grants for david@localhost |  +--------------------------------------------------------------------------------------------------------------+  | GRANT USAGE ON \*.\* TO 'david'@'localhost' IDENTIFIED BY PASSWORD '\*6BB4837EB74329105EE4568DDA7DC67ED2CA2AD9' |  | GRANT INSERT ON `test01`.\* TO 'david'@'localhost' |  +--------------------------------------------------------------------------------------------------------------+  2 rows in set (0.00 sec)  mysql> |

5）删除用户的权限，命令“revoke 权限 on 数据库文件 from user@ip”

|  |
| --- |
| mysql> **revoke all privileges on \*.\* from david@'%';**  Query OK, 0 rows affected (0.00 sec)  mysql> **show grants for david@localhost; //删除之后查看一下**  +--------------------------------------------------------------------------------------------------------------+  | Grants for david@localhost |  +--------------------------------------------------------------------------------------------------------------+  | GRANT USAGE ON \*.\* TO 'david'@'localhost' IDENTIFIED BY PASSWORD '\*6BB4837EB74329105EE4568DDA7DC67ED2CA2AD9' |  +--------------------------------------------------------------------------------------------------------------+  2 rows in set (0.00 sec)  mysql> |

6）删除用户，命令“delete from user where user=‘username’”

|  |
| --- |
| mysql> **use mysql; //首先要调用这个命令**  Reading table information for completion of table and column names  You can turn off this feature to get a quicker startup with -A  Database changed  mysql> **delete from user where user='david'; //删除用户**  Query OK, 2 rows affected (0.00 sec)  mysql> **select host,user from mysql.user; //查看用户**  +-----------------------+------+  | host | user |  +-----------------------+------+  | 127.0.0.1 | root |  | localhost | |  | localhost | root |  | localhost.localdomain | |  | localhost.localdomain | root |  +-----------------------+------+  5 rows in set (0.00 sec)  mysql> |

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