1. 安装

1.1 官网下载MySQL

官网地址：<http://www.mysql.com/>

下载MySQL Community Edition社区版本MySQL Community Server 5.7.12

下载版本为二进制安装文件(非源码安装文件)

编译安装

解压缩

$ tar -zxvf mysql-5.7.12-linux-glibc2.5-x86\_64.tar.gz

$ sudo mv mysql-5.7.12-linux-glibc2.5-x86\_64 /usr/local/

$ cd /usr/local/

1.2 创建mysql用户和组，并设置权限

//创建用户mysql并加入到mysql组

$ sudo groupadd mysql

$ sudo useradd -r -g mysql -s /bin/false mysql

//设置权限

$ sudo ln -s /usr/local/mysql-5.7.12-linux-glibc2.5-x86\_64/ mysql

$ sudo chown -R mysql:mysql /usr/local/ mysql-5.7.12-linux-glibc2.5-x86\_64/

$ sudo chgrp -R mysql /usr/local/mysql-5.7.12-linux-glibc2.5-x86\_64/

编译安装

//安装libaio-dev

$ sudo apt install libaio1

1. 常用命令

登录本机数据库，-h指定ip地址，-P指定端口，-u指定用户，-p指定密码，-D指定连接数据库名字

$ mysql -h 127.0.0.1 -P 3306 -u root -planling -D recommend

查看数据库

> show databases;

进入数据库，database\_name为该数据库的名字

> use database\_name;

查看数据表

> show tables;

查看数据表行数

> select count(\*) from movie;

> select count(\*) from image\_rate where rate=0;

> select count(\*) from image\_rate where rate=5;

统计数据表的某个字段为空或不为空的个数

> select count(\*) from passage\_label\_record where status=0 and passage is null and label is not null;

或

>select count(\*) from passage\_label\_record\_new where category='food' and checker<>'' and checker='范玉广';

is not null判断不为NULL，<>''判断不为空值

查看指定表的表结构，movie为表名

> show columns from movie;

或

> desc movie;

或

> describe movie;

查看指定行数据，第n行到第m行

> select \* from movie limit n-1,m-n;

修改表中字段约束

> alter table movie modify column add\_word varchar(256) character set utf8 collate utf8\_general\_ci not null default '' after rater\_num;

或

> alter table movie change column add\_word add\_word varchar(256) not null default '';

导出数据到文本文档，导出name, chinese\_name几列到/tmp/movie.txt文件

> select name, chinese\_name, english\_name, movie\_alias, introduction from movie into outfile '/tmp/movie.txt';

> select id, label from passage\_label\_record where status=1 and passage is not null and label is not null into outfile '/tmp/label.txt';

或命令行执行下面命令，其中-Dassistant指定数据库为assistant，-u指定用户，-p指定密码，-h指定地址，-P指定端口，-e指定具体执行的命令

$ mysql -u assistant\_wr -h 10.136.5.132 -Dassistant -P 3306 -p8943888aa4308dc56583998cb3bb5ea5 -e "select id, label from passage\_label\_record\_new where category in ('1905\_films', 'auto\_films', 'auto\_films\_no\_sm', 'entertainment', 'old\_entertainmen', 'maoyan') and status=1 and passage is not null and label is not null;" > data.txt