

# 数据库实验报告 1

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## Abstract

实验一: DBMS 的安装和使用

## 1 实验目的

- 通过安装某个数据库管理系统, 初步了解 DBMS 的运行环境。
- 了解 DBMS 交互界面、图形界面和系统管理工具的使用。
- 搭建实验平台。

## 2 实验平台

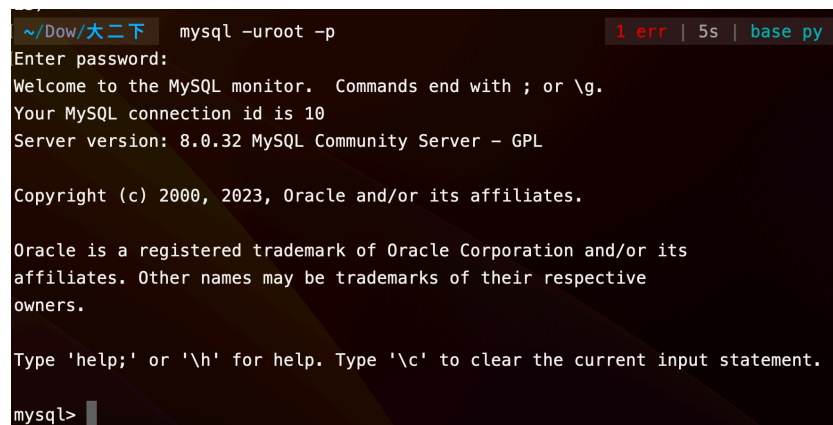
- 操作系统: MacOS
- 数据库管理系统: MySQL

## 3 实验内容和要求

### 3.1 安装 MySQL

在 MacOS 的终端中安装命令行版本的 MySQL.

输入指令: 'mysql -uroot -p' 即可以进入.

A terminal window with a dark background. The prompt is '~ / Dow / 大二下' followed by 'mysql -uroot -p'. The user has entered a password, and the terminal shows 'Enter password:'. Below this, it says 'Welcome to the MySQL monitor. Commands end with ; or \g.', 'Your MySQL connection id is 10', and 'Server version: 8.0.32 MySQL Community Server - GPL'. It also shows copyright information for 2000, 2023, Oracle and/or its affiliates, and a notice about trademarks. At the bottom, it says 'Type \'help;\' or \'h\' for help. Type \'c\' to clear the current input statement.' and the prompt 'mysql>' is visible.

```
~/Dow/大二下 mysql -uroot -p 1 err | 5s | base py
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.32 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
```

我们可以在 MySQL 中创建一个新用户并且为其设置一个密码。

```
mysql> CREATE USER 'dog'@'localhost' IDENTIFIED BY '123456';
Query OK, 0 rows affected (0.02 sec)
```

### 3.2 创建数据库和表

创建一个新的数据库: db02

在其中创建一张表: aaa

过程的截图如下。

```
mysql> CREATE DATABASE db02
-> ;
Query OK, 1 row affected (0.01 sec)

mysql> use db02;
Database changed
mysql> create table aaa(Sid int, Name char);
Query OK, 0 rows affected (0.01 sec)

mysql>
```

### 3.3 查询语句执行

执行 SQL 语句: 'select \* from aaa' 对表进行查询。

```
mysql> select * from aaa
-> ;
Empty set (0.01 sec)

mysql>
```