

1. 查看并写出 MySQL 数据目录的路径:

此电脑 > 本地磁盘 (C:) > ProgramData > MySQL > MySQL Server 8.0 > Data

名称	修改日期	类型	大小
#innodb_temp	2020/4/16 20:44	文件夹	
course	2020/3/5 11:58	文件夹	
mysql	2020/2/27 16:34	文件夹	
performance_schema	2020/2/27 16:34	文件夹	
sakila	2020/2/27 17:01	文件夹	
sys	2020/2/27 16:34	文件夹	
test	2020/3/5 12:00	文件夹	
world	2020/2/27 17:01	文件夹	
auto.cnf	2020/2/27 16:34	CNF 文件	1 KB
ca.pem	2020/2/27 16:34	PEM 文件	2 KB
ca-key.pem	2020/2/27 16:34	PEM 文件	2 KB
client-cert.pem	2020/2/27 16:34	PEM 文件	2 KB
client-key.pem	2020/2/27 16:34	PEM 文件	2 KB
DESKTOP-2JUOAMJ.err	2020/4/16 20:44	ERR 文件	43 KB
DESKTOP-2JUOAMJ.pid	2020/4/16 20:44	PID 文件	1 KB
DESKTOP-2JUOAMJ-bin.000023	2020/3/18 16:53	000023 文件	1 KB
DESKTOP-2JUOAMJ-bin.000024	2020/3/18 17:12	000024 文件	1 KB
DESKTOP-2JUOAMJ-bin.000025	2020/3/25 23:49	000025 文件	1 KB

```
管理: 命令提示符 - mysql - root.p
Microsoft Windows [版本 10.0.18363.752]
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C:\Users\DELL>mysql --root -p
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)

C:\Users\DELL>mysql --root -p
Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.19 MySQL Community Server - GPL

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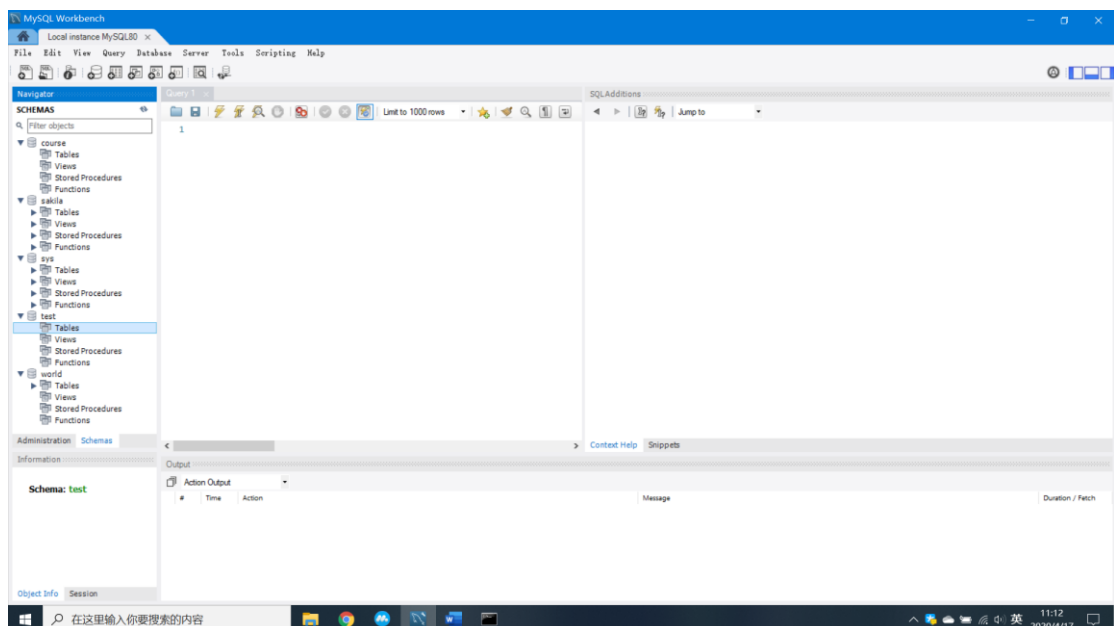
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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> mysql datadir
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'mysql datadir' at line 1
mysql> show variables like 'datadir';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| datadir       | C:\ProgramData\MySQL\MySQL Server 8.0\Data\ |
+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql>
```

2. 查看数据库列表



```
管理组: 命令提示符 - mysql -root -p
C:\Users\DELL>mysql datadir
ERROR 1045 (28000): Access denied for user 'ODBC@'@'localhost' (using password: NO)

C:\Users\DELL>mysql -uroot -p
Enter password: 
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.19 MySQL Community Server - GPL

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owners.

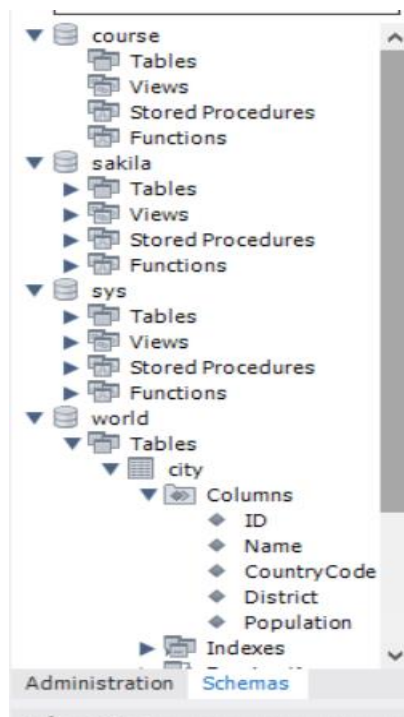
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> mysql datadir
->
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'mysql datadir' at line 1
mysql> show variables like 'datadir';
+-----+-----+
| Variable_name | Value                               |
+-----+-----+
| datadir       | C:\ProgramData\MySQL\MySQL Server 8.0\Data\ |
+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'database' at line 1
mysql> show databases;
+-----+
| Database |
+-----+
| course   |
| information_schema |
| mysql    |
| performance_schema |
| sakila    |
| sys      |
| test     |
| world    |
+-----+
8 rows in set (0.00 sec)

mysql>
```

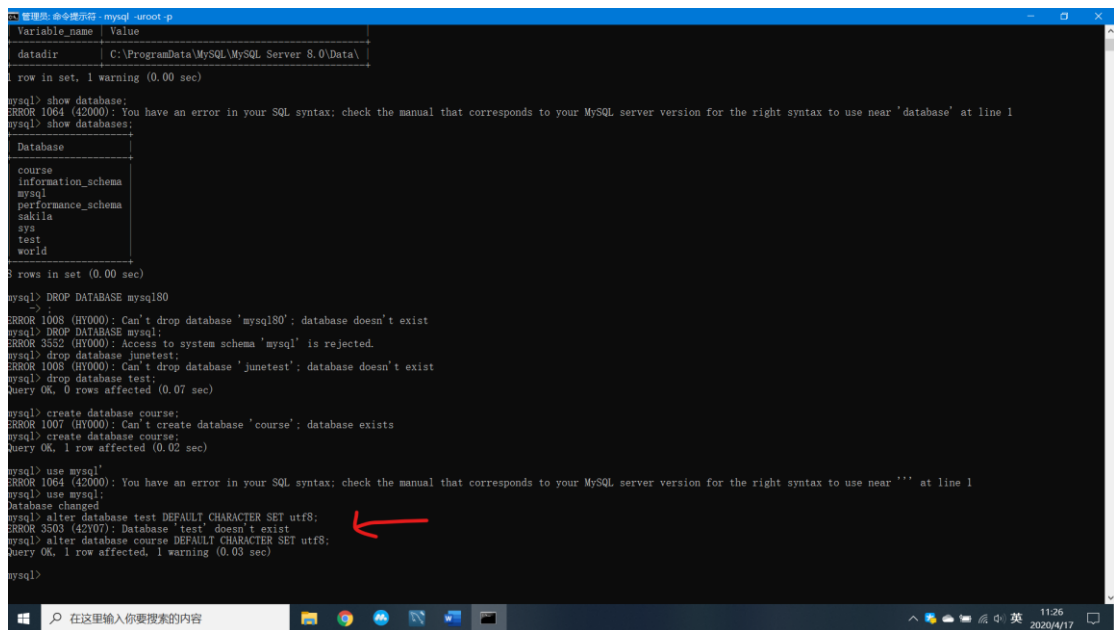
删除操作:



```
mysql> DROP DATABASE mysql180
-> ;
ERROR 1008 (HY000): Can't drop database 'mysql180'; database doesn't exist
mysql> DROP DATABASE mysql;
ERROR 3552 (HY000): Access to system schema 'mysql' is rejected.
mysql> drop database junetest;
ERROR 1008 (HY000): Can't drop database 'junetest'; database doesn't exist
mysql> drop database test;
Query OK, 0 rows affected (0.07 sec)

mysql>
```

3. 创建 course 数据库



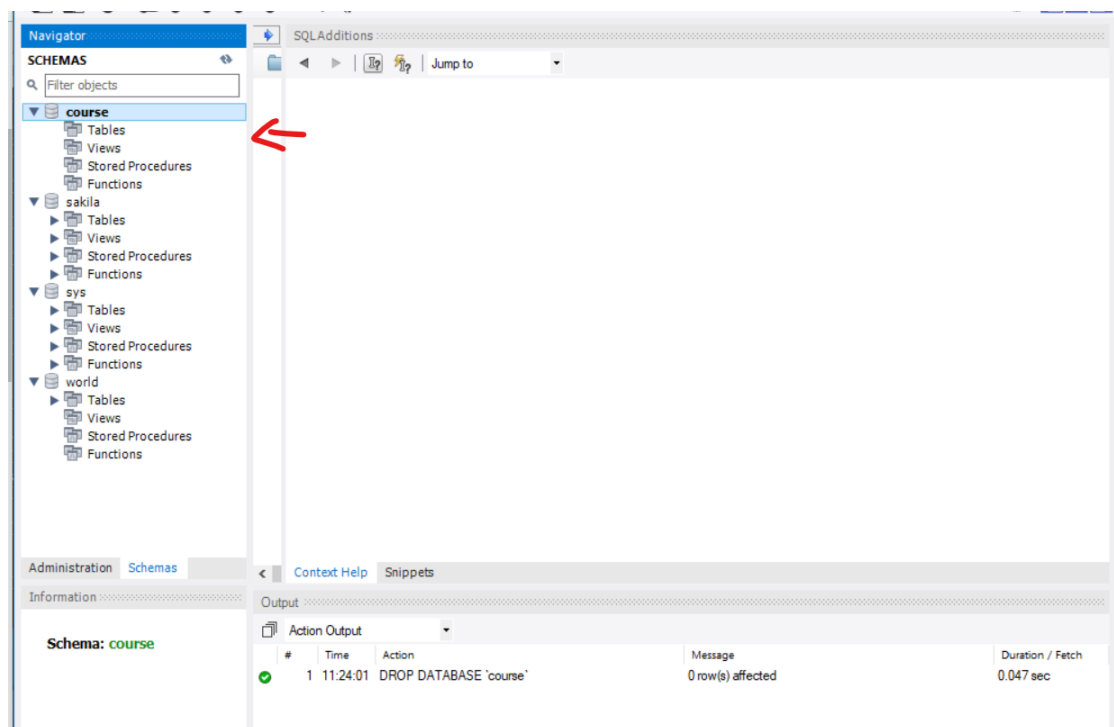
```
mysql> show databases;
+-----+
| Database |
+-----+
| course   |
| information_schema |
| mysql    |
| performance_schema |
| sakila   |
| sys      |
| test     |
| world    |
+-----+
3 rows in set (0.00 sec)

mysql> DROP DATABASE mysql80;
ERROR 1008 (HY000): Can't drop database 'mysql80': database doesn't exist
mysql> DROP DATABASE mysql;
ERROR 3552 (HY000): Access to system schema 'mysql' is rejected.
mysql> drop database junetest;
ERROR 1008 (HY000): Can't drop database 'junetest': database doesn't exist
mysql> drop database test;
Query OK, 0 rows affected (0.07 sec)

mysql> create database course;
ERROR 1007 (HY000): Can't create database 'course': database exists
mysql> create database course;
Query OK, 1 row affected (0.02 sec)

mysql> use mysql;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1
mysql> use mysql;
Database changed
mysql> alter database test DEFAULT CHARACTER SET utf8;
ERROR 3503 (42Y07): Database 'test' doesn't exist
mysql> alter database course DEFAULT CHARACTER SET utf8;
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql>
```



```
mysql> show databases;
+-----+
| Database |
+-----+
| course   |
| information_schema |
| mysql    |
| performance_schema |
| sakila   |
| sys      |
| test     |
| world    |
+-----+
8 rows in set (0.00 sec)

mysql> DROP DATABASE mysql80;
ERROR 1008 (HY000): Can't drop database 'mysql80': database doesn't exist
mysql> DROP DATABASE mysql;
ERROR 3552 (HY000): Access to system schema 'mysql' is rejected.
mysql> drop database junetest;
ERROR 1008 (HY000): Can't drop database 'junetest': database doesn't exist
mysql> drop database test;
Query OK, 0 rows affected (0.07 sec)

mysql> create database course;
ERROR 1007 (HY000): Can't create database 'course': database exists
mysql> create database course;
Query OK, 1 row affected (0.02 sec)

mysql> use mysql;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1
mysql> use mysql;
Database changed
mysql> alter database test DEFAULT CHARACTER SET utf8;
ERROR 3503 (42Y07): Database 'test' doesn't exist
mysql> alter database course DEFAULT CHARACTER SET utf8;
Query OK, 1 row affected, 1 warning (0.03 sec)

mysql> show create database course;
+-----+
| Database | Create Database |
+-----+
| course   | CREATE DATABASE `course` /*!40100 DEFAULT CHARACTER SET utf8 */ /*!80016 DEFAULT ENCRYPTION='N' */ |
+-----+
1 row in set (0.01 sec)

mysql>
```

4. 选择数据库:

我们可以在命令行中使用“use course;”来切换到当前的数据库来进行操作。

如果在 MySQL – workbench 界面, 可直接双击进行切换。

5.创建数据库 (可采用脚本创建)

面。(注: phpMyAdmin 界面左侧导航栏能够更方便地切换数据库。)

```
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C:\Users\DELL>mysql -uroot -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 8.0.19 MySQL Community Server - GPL

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owners.

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

mysql> use course;
Database changed
mysql> CREATE TABLE Student(
  -> S_no CHAR(8) NOT NULL,
  -> S_name CHAR(4) NOT NULL,
  -> gender CHAR(1) NOT NULL,
  -> birthday DATE NOT NULL,
  -> phone VARCHAR(12) NOT NULL,
  -> address VARCHAR(20) NOT NULL,
  -> PRIMARY KEY (S_no)
  -> )ENGINE=InnoDB DEFAULT CHARSET=utf8;
Query OK, 0 rows affected, 1 warning (0.15 sec)

mysql>
```

```
use course;
CREATE TABLE Student(
  S_no CHAR(8) NOT NULL,
  S_name CHAR(4) NOT NULL,
  gender CHAR(1) NOT NULL,
  birthday DATE NOT NULL,
  phone VARCHAR(12) NOT NULL,
  address VARCHAR(20) NOT NULL,
  PRIMARY KEY (S_no)
)ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

然后修改数据库表的有关字段的内容...[我是弱智 在这里 course/ student 搞混了..]

```

mysql> alter modify S_no CHAR(8) NOT NULL comment '学号';
ERROR 1146 (42S02): Table 'course.course' doesn't exist
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'modify S_no CHAR(8) NOT NULL come
nt '学号'' at line 1
mysql> alter table course
-> change S_no comment '学号';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ''学号'' at line 2
mysql> alter table test
-> change column S_no S_no CHAR(8) not null comment '学号';
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ';' at line 2
mysql> alter table test
-> change column S_no S_no CHAR(8) not null comment '学号';
mysql> alter table course
-> change column S_no S_no CHAR(8) not null comment '学号';
ERROR 1146 (42S02): Table 'course.course' doesn't exist
mysql> alter table student
-> change column S_no S_no CHAR(8) not null comment '学号';
Query OK, 0 rows affected (0.11 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student
-> change column S_name S_name CHAR(4) not null comment '姓名';
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student
-> change column gender gender CHAR(1) not null default '男' comment '性别';
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student
-> change column birthday birthday date not null comment '出生日期';
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student
-> change column phone phone varchar(12) not null comment '电话';
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student
-> change column address address varchar(20) not null comment '家庭住址';
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>

```

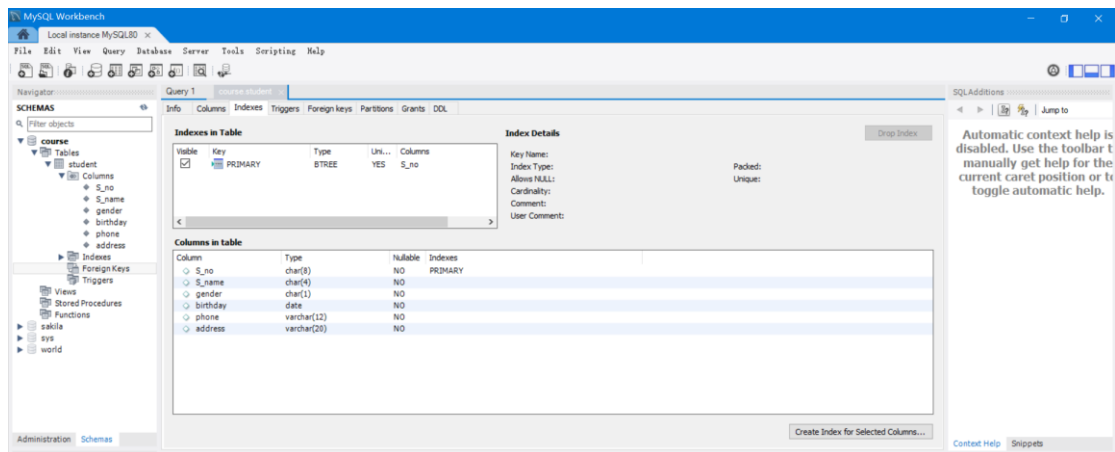
效果

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
S_no	char(8)		NO	utf8	utf8_general_ci	select,insert,update,references		学号
S_name	char(4)		NO	utf8	utf8_general_ci	select,insert,update,references		姓名
phone	varchar(12)		NO	utf8	utf8_general_ci	select,insert,update,references		电话
gender	char(1)	男	NO	utf8	utf8_general_ci	select,insert,update,references		性别
birthday	date		NO	utf8	utf8_general_ci	select,insert,update,references		出生日期
address	varchar(20)		NO	utf8	utf8_general_ci	select,insert,update,references		家庭住址

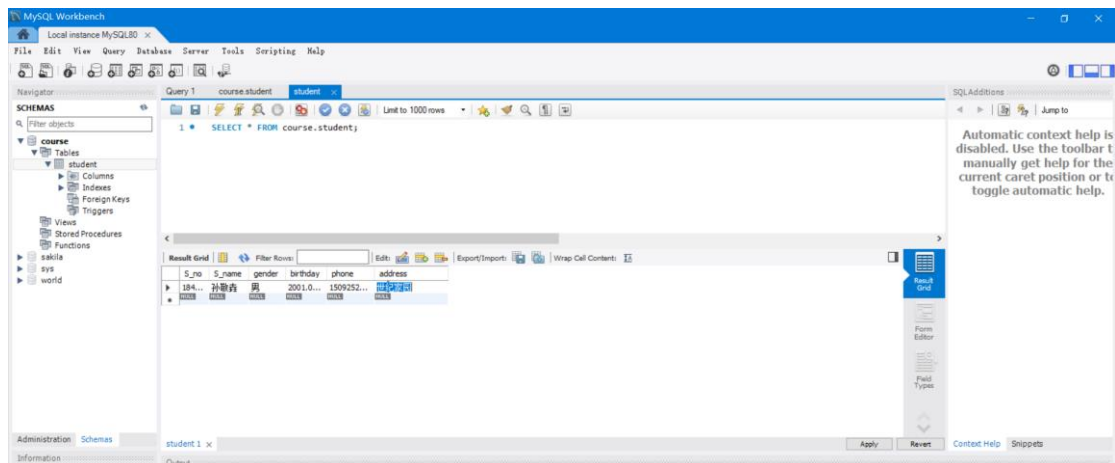
6.显示表结构:

Visible	Key	Type	UNI...	Columns
<input checked="" type="checkbox"/>	PRIMARY	BTREE	YES	S_no

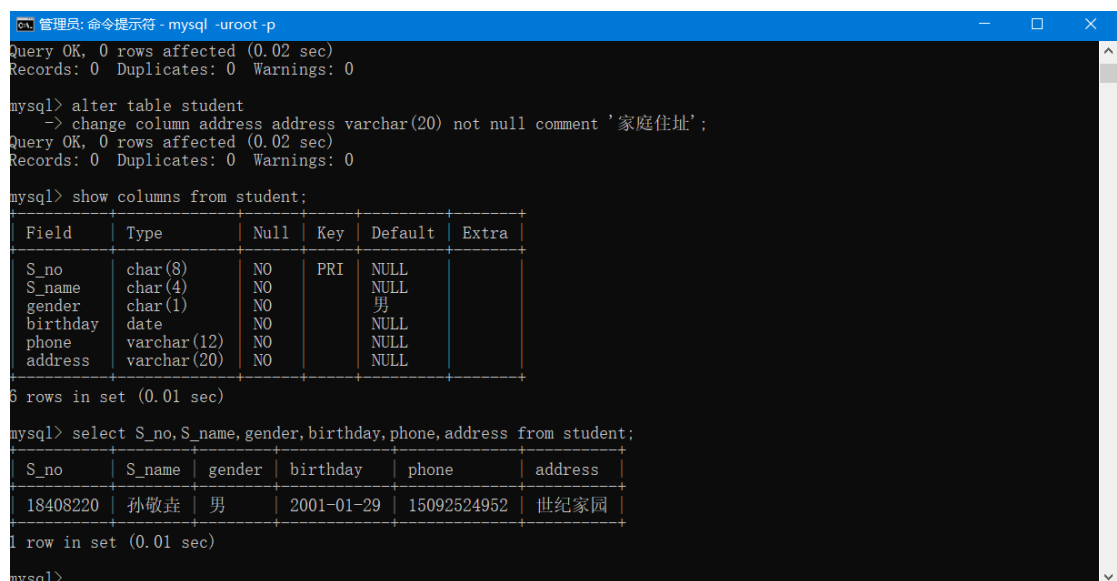
Column	Type	Nullable	Indexes
S_no	char(8)	NO	PRIMARY
S_name	char(4)	NO	
gender	char(1)	NO	
birthday	date	NO	
phone	varchar(12)	NO	
address	varchar(20)	NO	



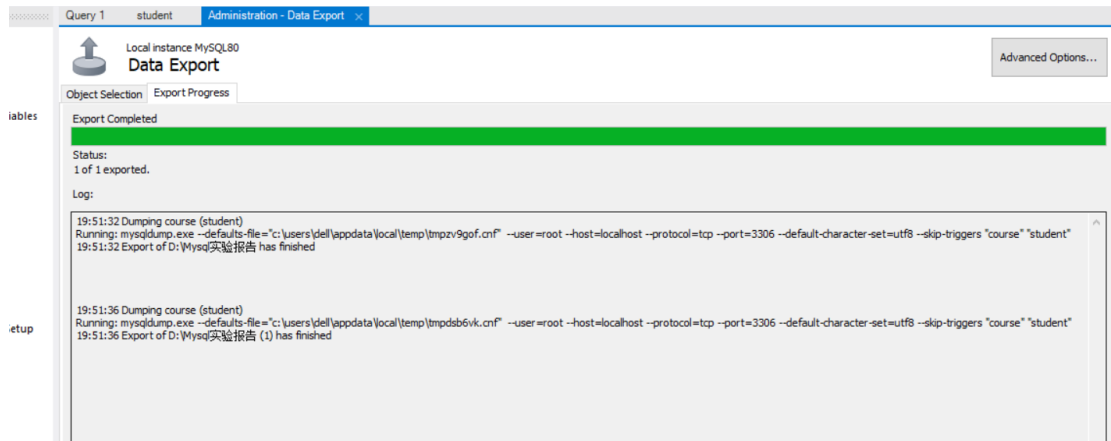
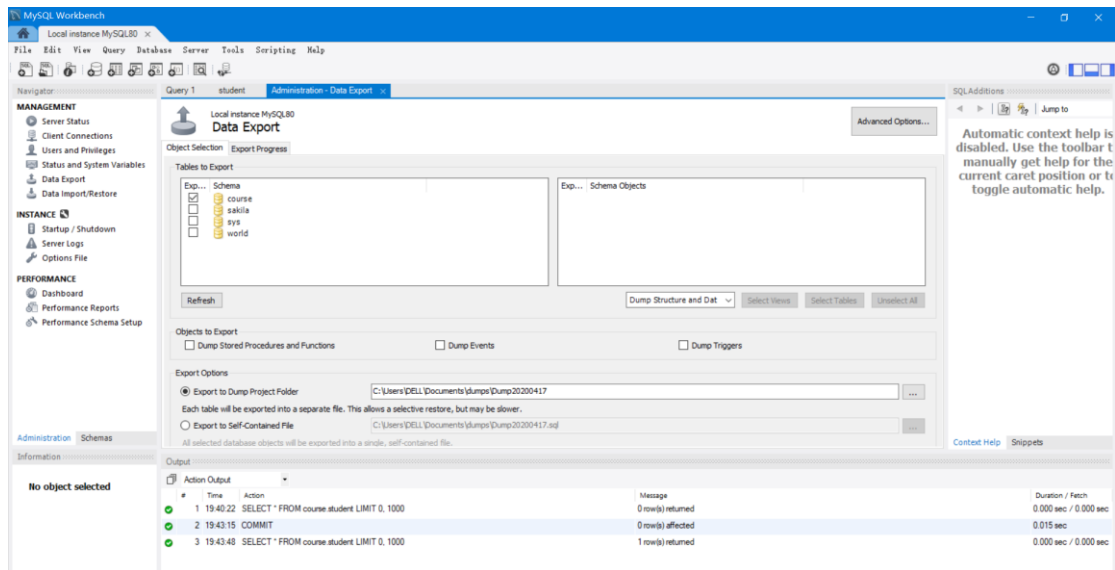
7.管理表记录：（插入信息）



用命令行进行查看：



8.备份数据库：

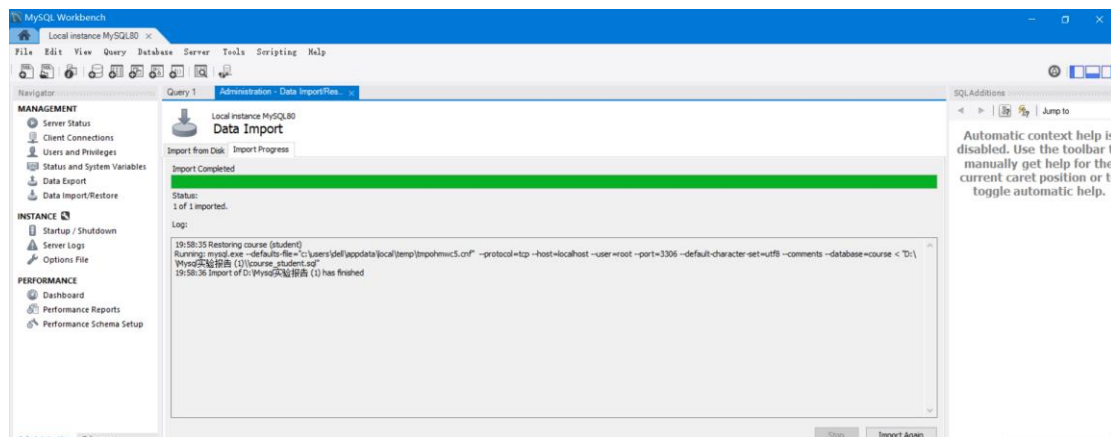


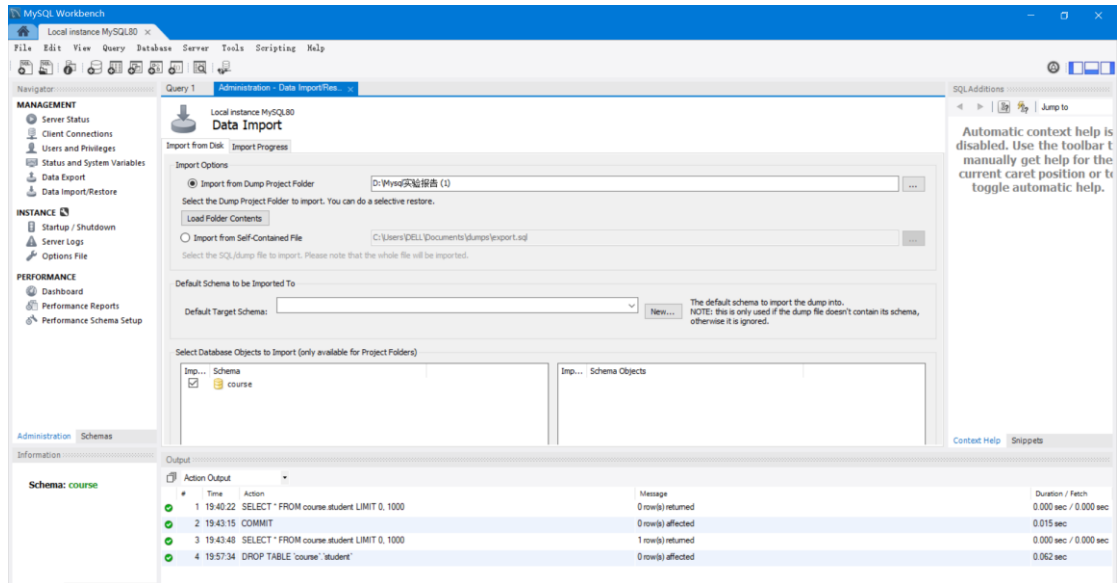
9.删除学生信息表;

Drop 直接

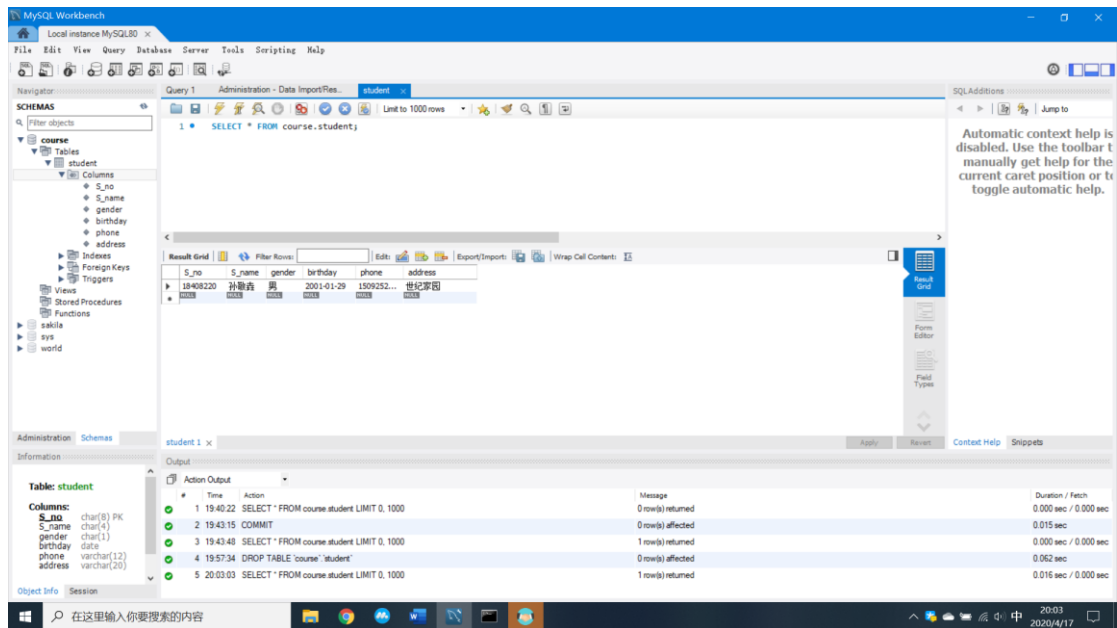
10: 还原数据库

细节: 还原时必须数据库已经创建。





还原成功



11:删除数据库:

