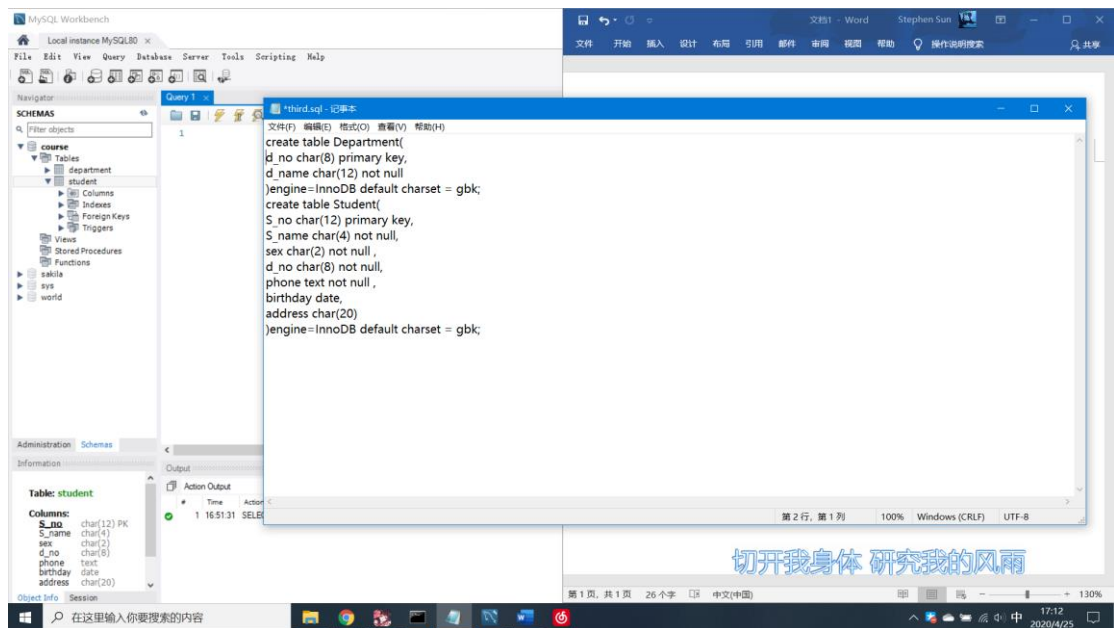


1. 创建数据表

(1).创建 Department 和 Student 表, 键入 sql 命令脚本, 并运行。



```
管理员: 命令提示符 - mysql -uroot -p  
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> show databases;  
+-----+  
| Database |  
+-----+  
| course   |  
| information_schema |  
| mysql    |  
| performance_schema |  
| sakila   |  
| sys      |  
| world    |  
+-----+  
7 rows in set (0.00 sec)  
  
mysql> use course;  
Database changed  
mysql> source d:/third.sql  
Query OK, 0 rows affected (0.17 sec)  
  
ERROR 1050 (42S01): Table 'student' already exists  
mysql> source d:/third.sql  
ERROR 1050 (42S01): Table 'department' already exists  
Query OK, 0 rows affected (0.04 sec)  
  
mysql>
```

(2)创建表 teacher: 键入 sql 命令脚本, 并运行。

```
sex char(2) not null ,
d_no char(8) not null,
phone text not null ,
birthday date,
address char(20)
)engine=InnoDB default charset = gbk;
```

(2) 仿照上述命令创建表 Teacher(t_no,t_name,d_no)

(3) 仿照上述命令创建表 C

2、修改表结构

(1) 使用 alter table 命令和 description(课程描述)

(2) 删除 Course 表中新增的

(3) 使用 alter table 命令

third_1.sql - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
create table teacher(
t_no char(4) primary key,
t_name varchar(4) not null,
d_no varchar(3)
)engine=InnoDB default charset = gbk;
```

```
mysql> use course;
Database changed
mysql> source d:/third.sql
Query OK, 0 rows affected (0.17 sec)

ERROR 1050 (42S01): Table 'student' already exists
mysql> source d:/third.sql
ERROR 1050 (42S01): Table 'department' already exists
Query OK, 0 rows affected (0.04 sec)

mysql>
```

在这里输入你要搜索的内容

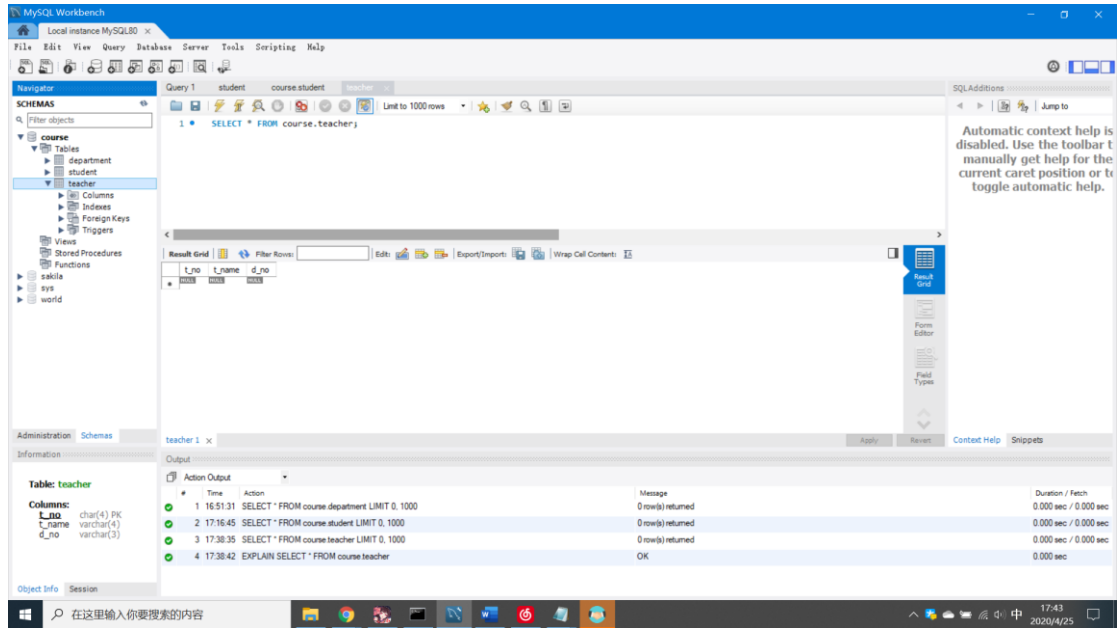
```
Database
+-----+
| course |
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
+-----+
7 rows in set (0.00 sec)

mysql> use course;
Database changed
mysql> source d:/third.sql
Query OK, 0 rows affected (0.17 sec)

ERROR 1050 (42S01): Table 'student' already exists
mysql> source d:/third.sql
ERROR 1050 (42S01): Table 'department' already exists
Query OK, 0 rows affected (0.04 sec)

mysql> source d:/third_1.sql
ERROR:
Failed to open file 'd:\third_1.sql', error: 2
mysql> source d:/third_1.sql
Query OK, 0 rows affected (0.14 sec)

mysql>
```



(3): 创建表 teacher: 键入 sql 命令脚本, 并运行。

(1) 创建 Department 和 Student 表

create table Department(d_no char(4) primary key,

d_name char(12) not null,

engine=InnoDB default charset = gbk;

create table Student(s_no char(12) primary key,

s_name char(12) not null,

s_sex char(2) not null,

s_credit tinyint(2) not null,

d_no char(4) not null,

c_type char(2) not null,

t_no char(4) not null,

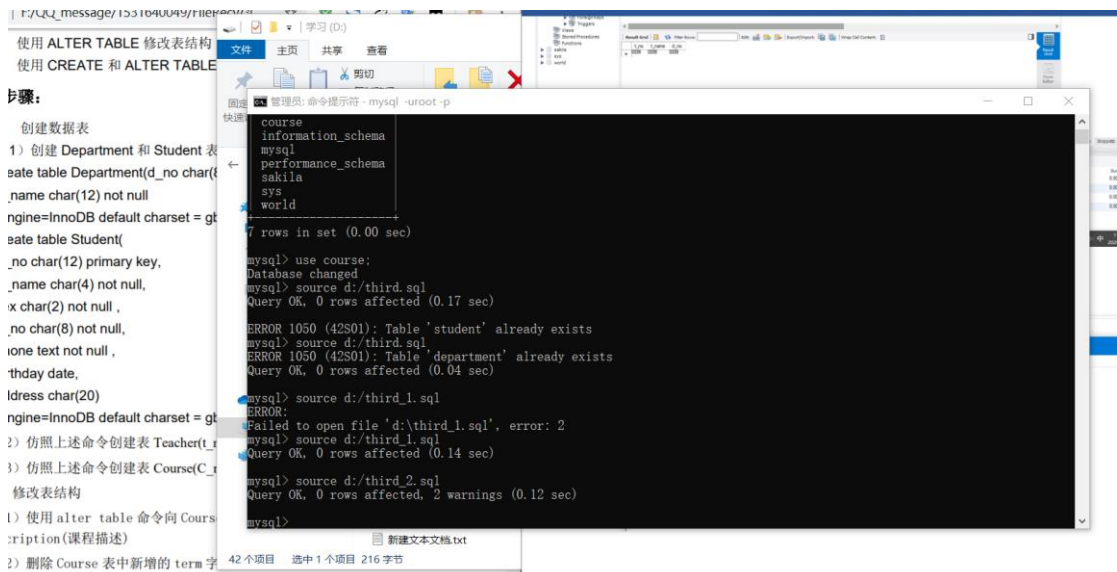
phone text not null,

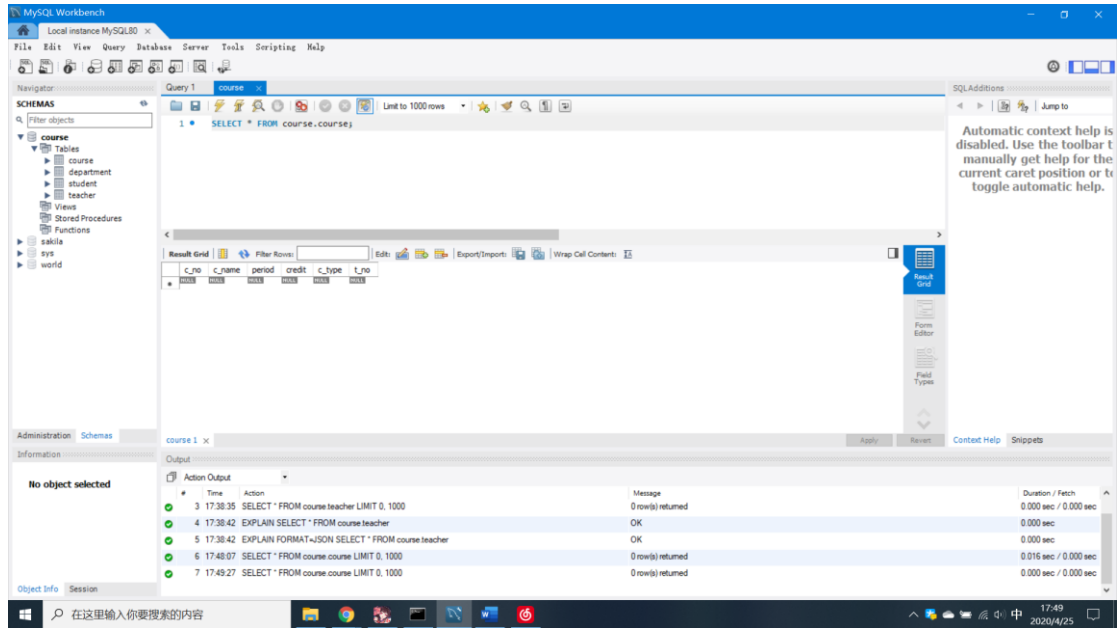
birthday date,

address char(20) not null,

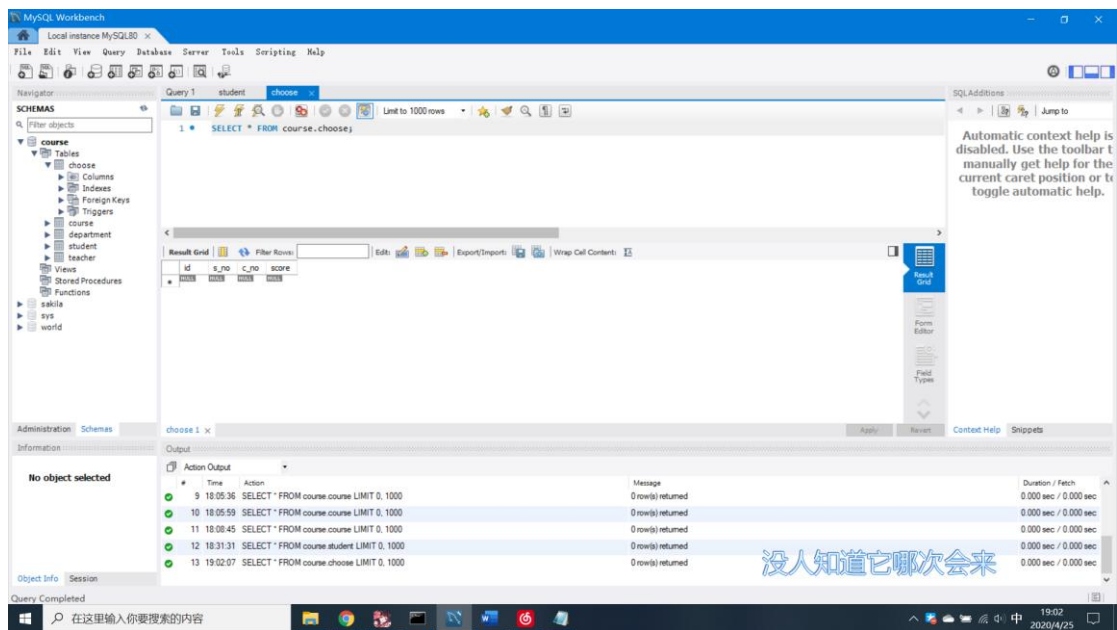
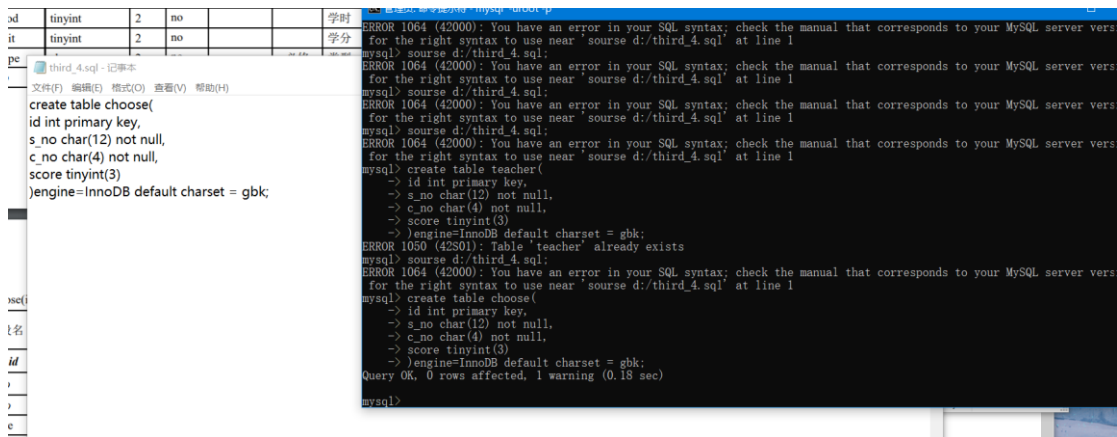
engine=InnoDB default charset = gbk;

(2) 仿照上述



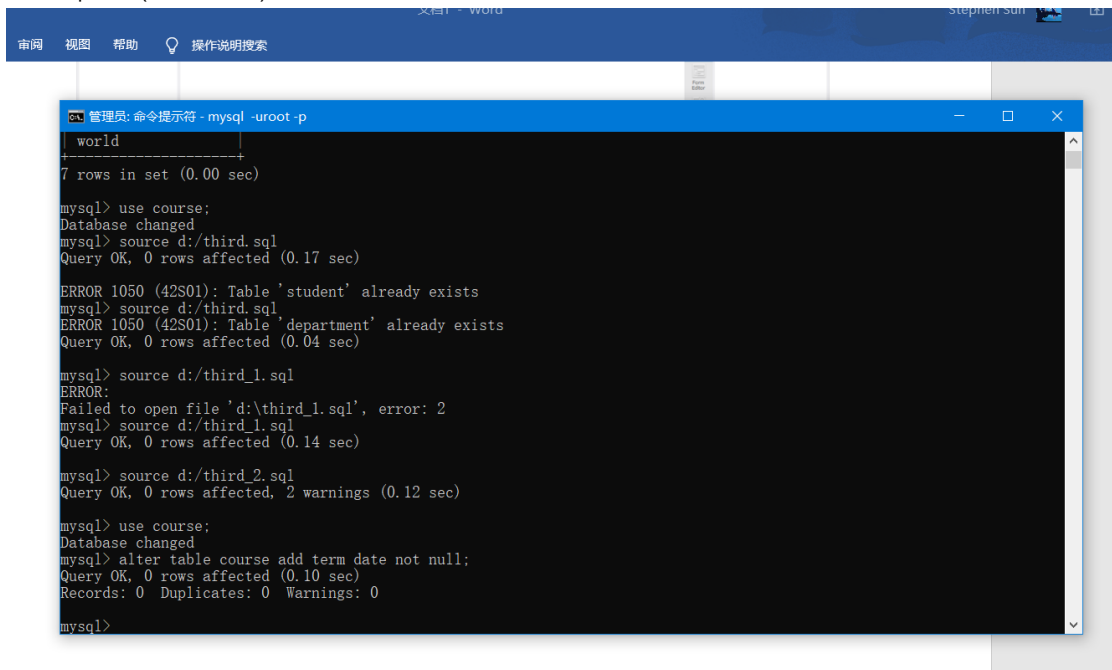


(4):创建表 choose: 键入 sql 命令脚本, 并运行。



2. 修改表结构

(1). 使用 alter table 命令向 course 表中添加两个字段 term(开课学期) 和 description(课程描述)



```
mysql> use course;
Database changed
mysql> source d:/third.sql
Query OK, 0 rows affected (0.17 sec)

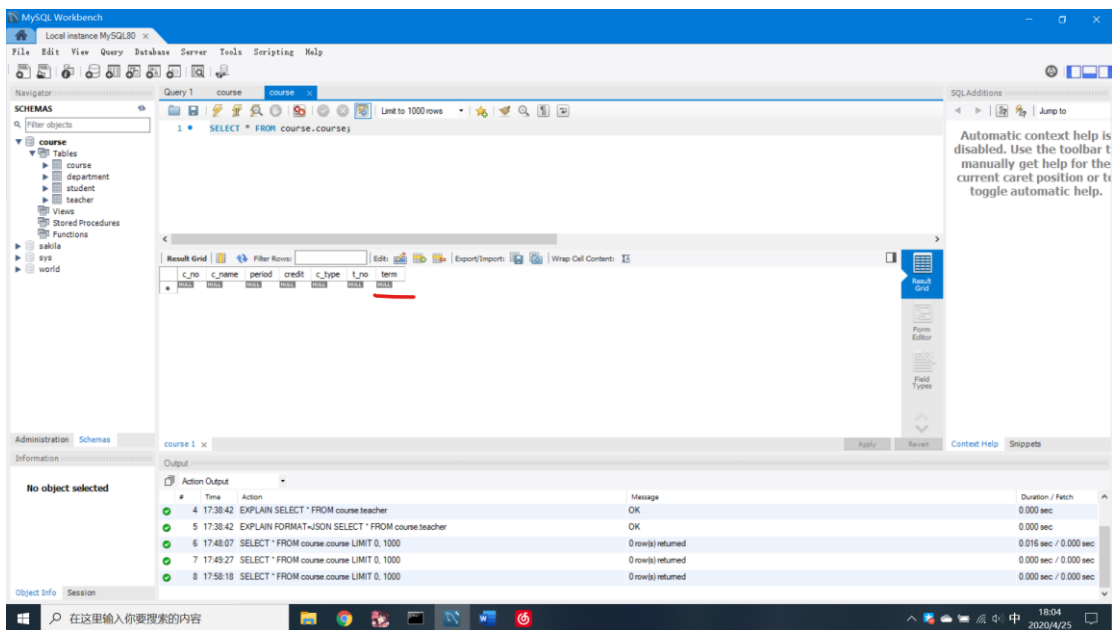
ERROR 1050 (42S01): Table 'student' already exists
mysql> source d:/third.sql
ERROR 1050 (42S01): Table 'department' already exists
Query OK, 0 rows affected (0.04 sec)

mysql> source d:/third_1.sql
ERROR:
Failed to open file 'd:\third_1.sql', error: 2
mysql> source d:/third_1.sql
Query OK, 0 rows affected (0.14 sec)

mysql> source d:/third_2.sql
Query OK, 0 rows affected, 2 warnings (0.12 sec)

mysql> use course;
Database changed
mysql> alter table course add term date not null;
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```



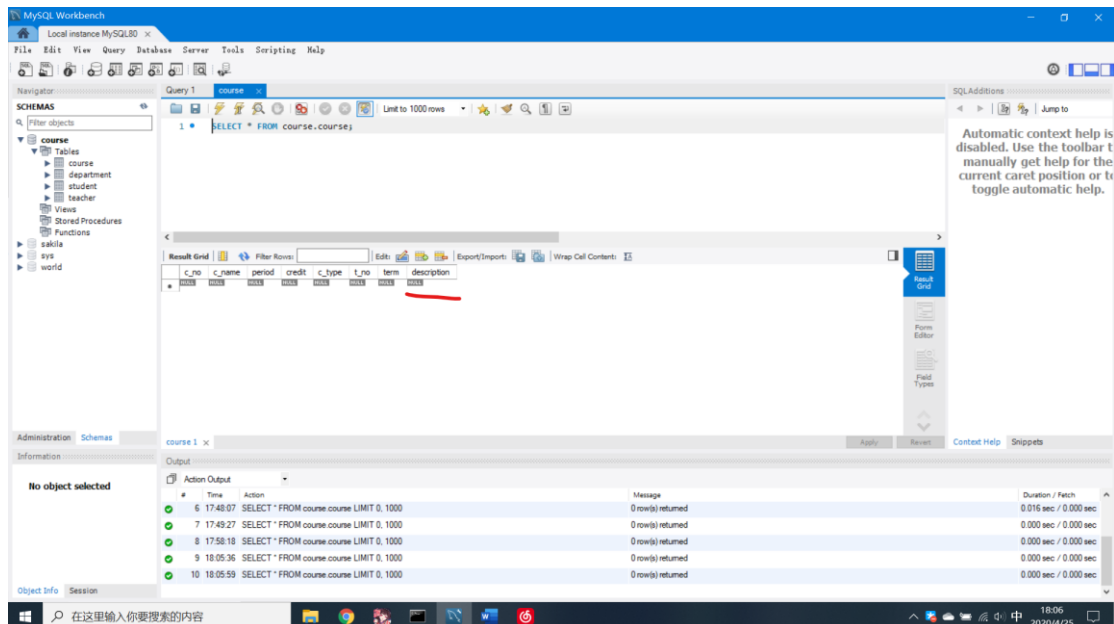
```
管理员: 命令提示符 - mysql -uroot -p
Failed to open file 'd:\third_1.sql', error: 2
mysql> source d:/third_1.sql
Query OK, 0 rows affected (0.14 sec)

mysql> source d:/third_2.sql
Query OK, 0 rows affected, 2 warnings (0.12 sec)

mysql> use course;
Database changed
mysql> alter table course add term date not null;
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table course add description varchar(20) not null;
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```



(2):删除 course 表中新增的 term 字段:

```
管理员: 命令提示符 - mysql -uroot -p
Failed to open file 'd:\third_1.sql', error: 2
mysql> source d:/third_1.sql
Query OK, 0 rows affected (0.14 sec)

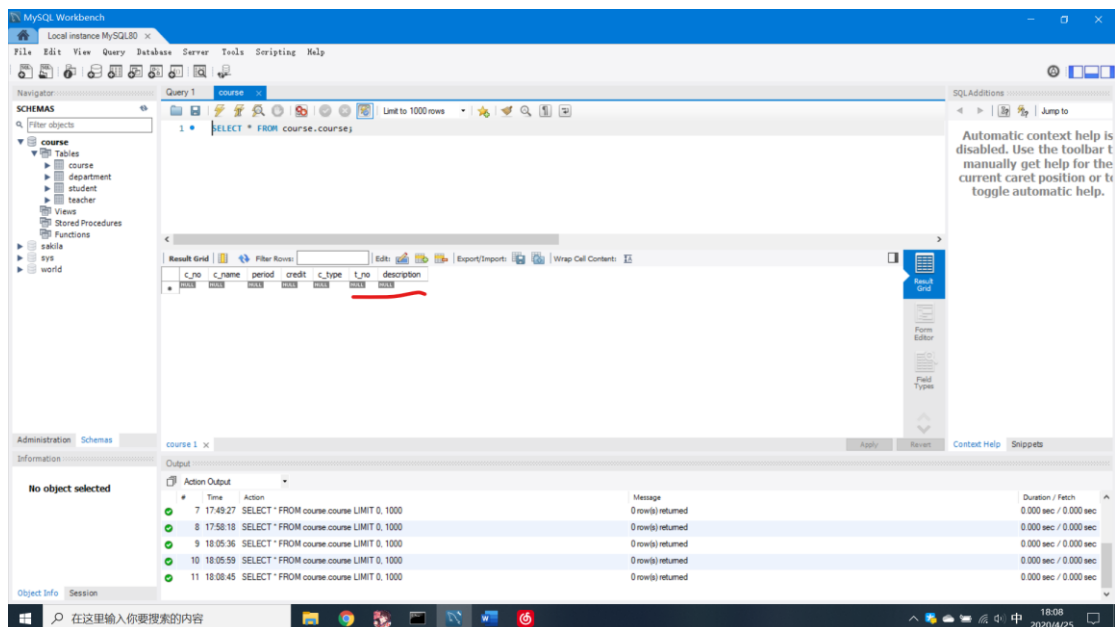
mysql> source d:/third_2.sql
Query OK, 0 rows affected, 2 warnings (0.12 sec)

mysql> use course;
Database changed
mysql> alter table course add term date not null;
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0

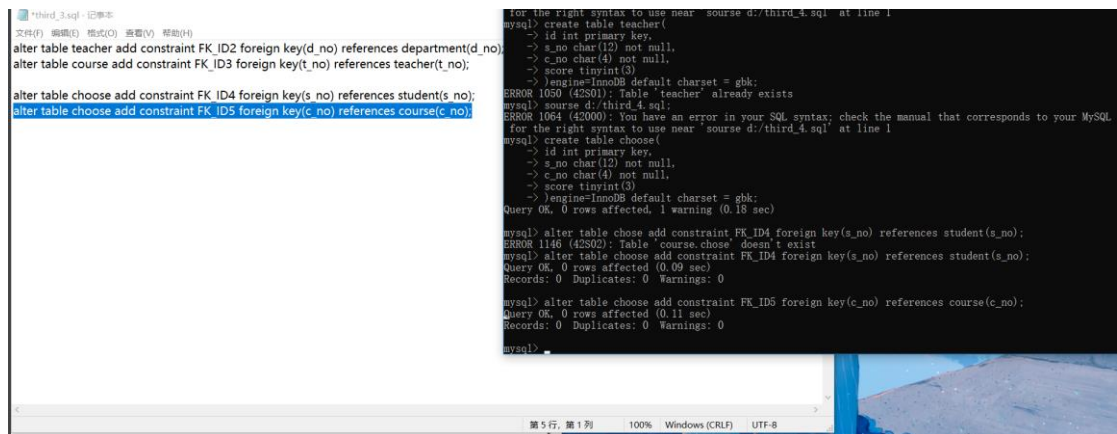
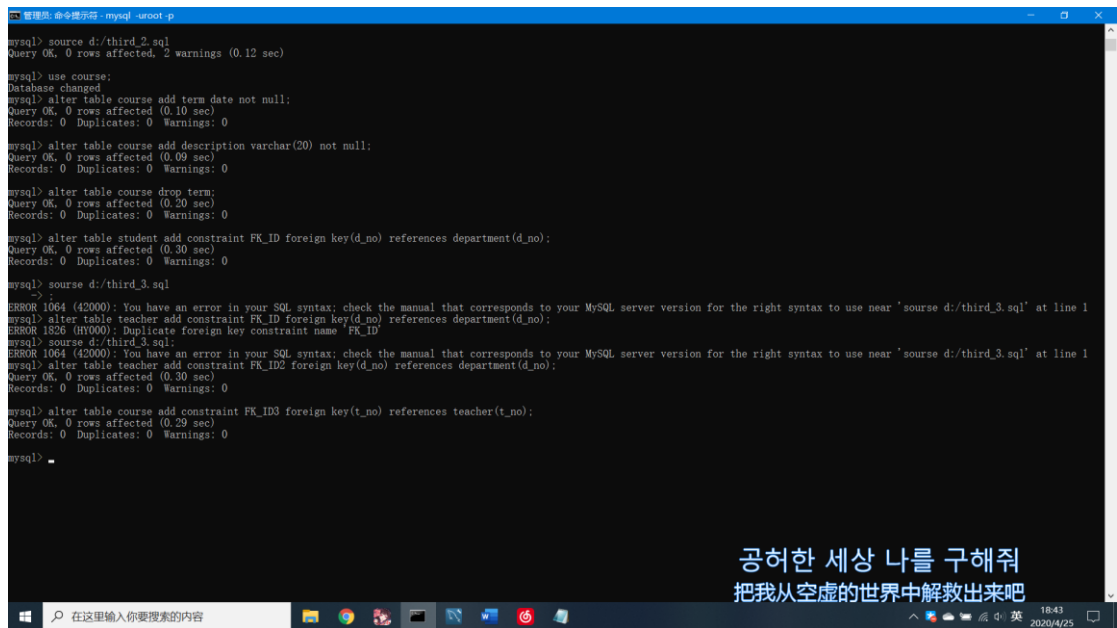
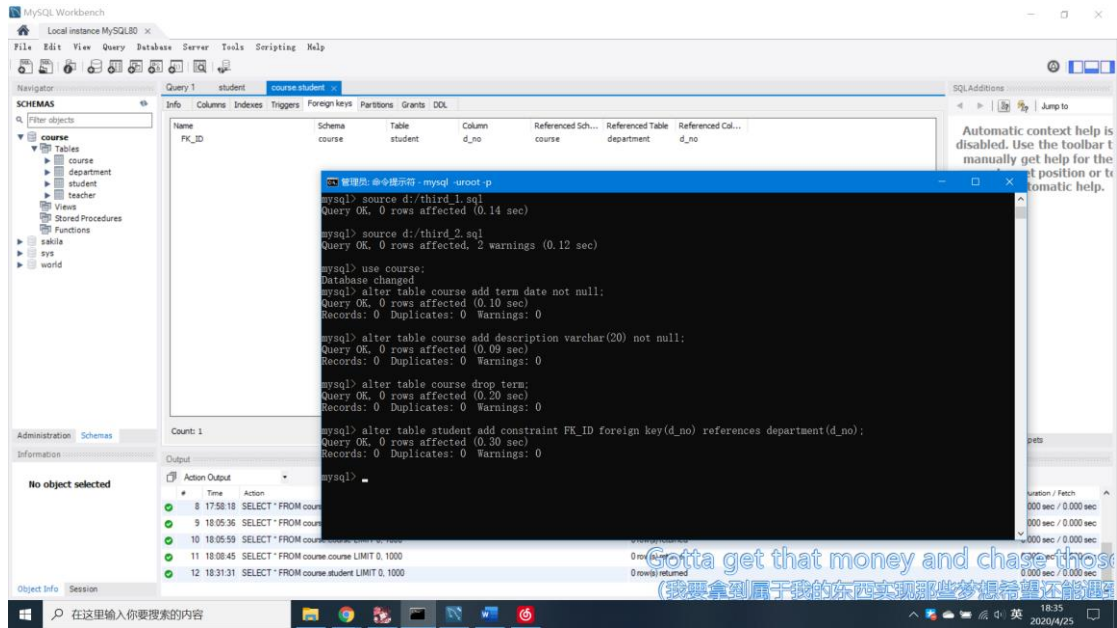
mysql> alter table course add description varchar(20) not null;
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0

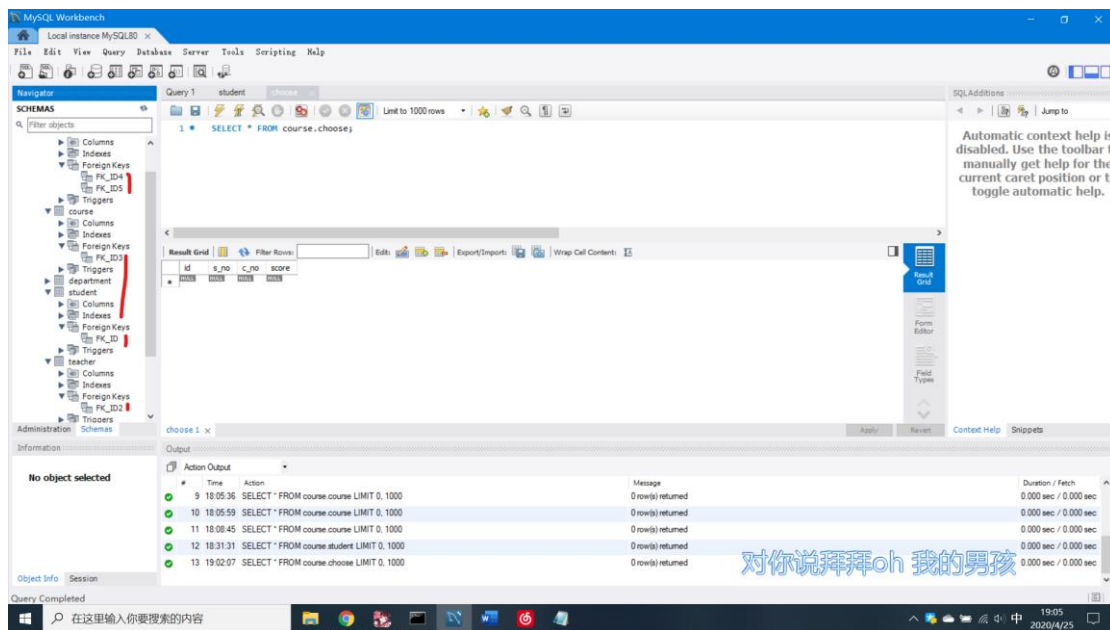
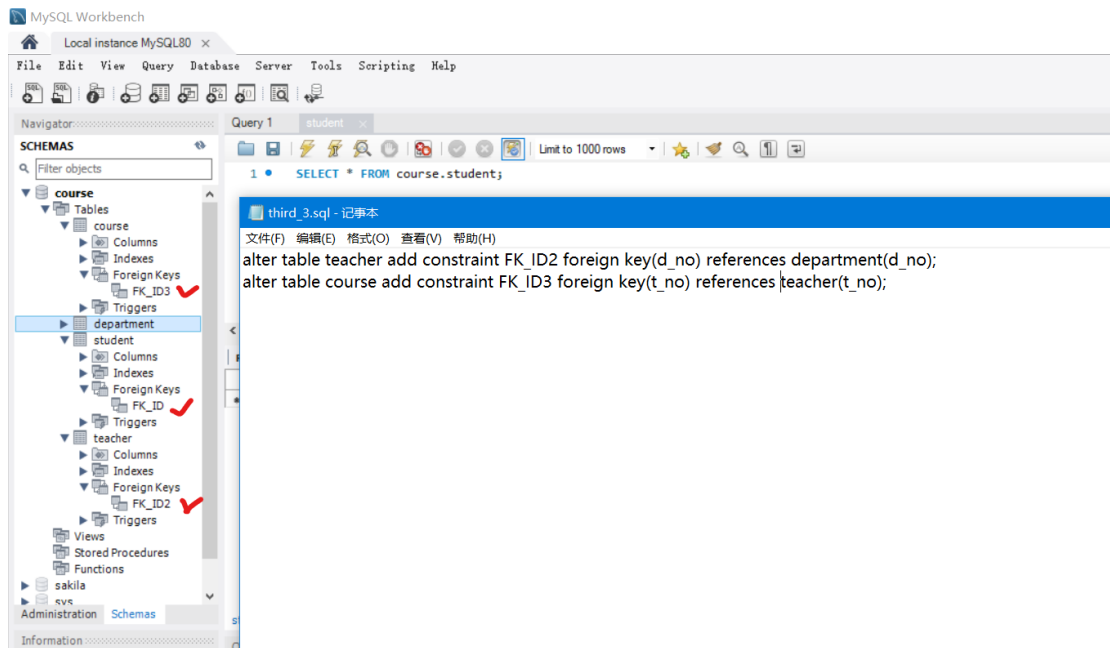
mysql> alter table course drop term;
Query OK, 0 rows affected (0.20 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
```

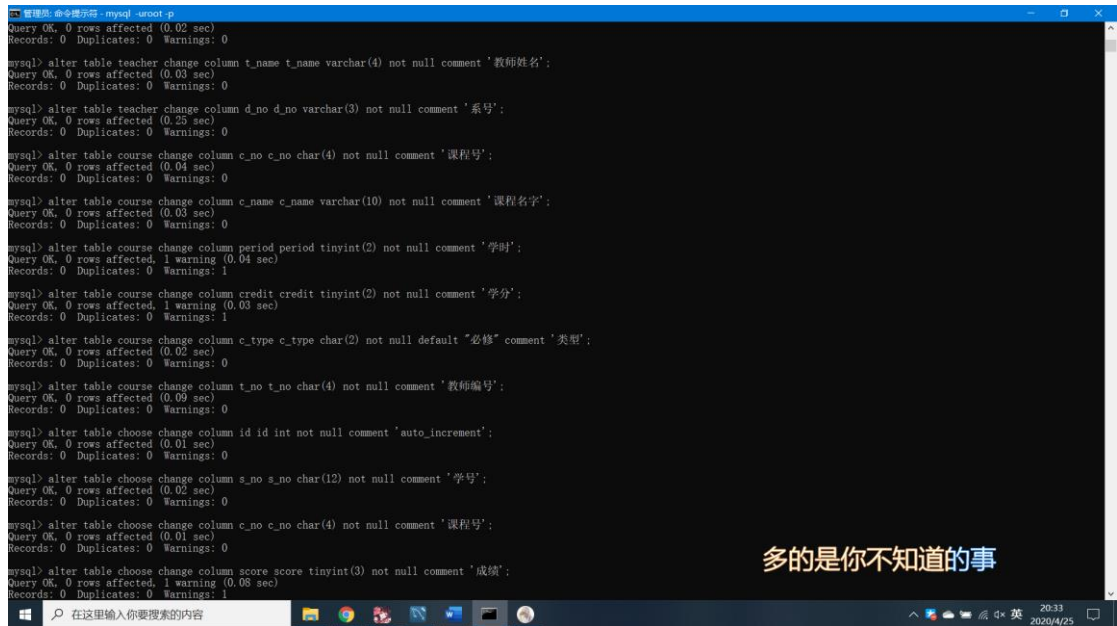
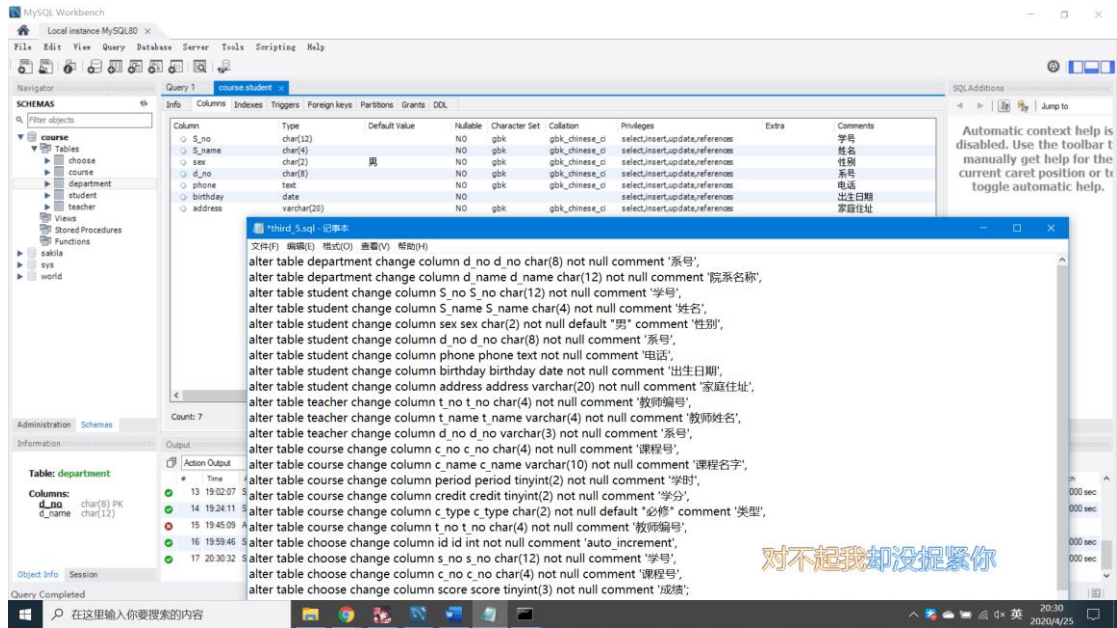


(3):使用 alter table 命令 2 为 course 中的数据表添加外键约束:
[实例第一次 其余的类推 sql 命令脚本]

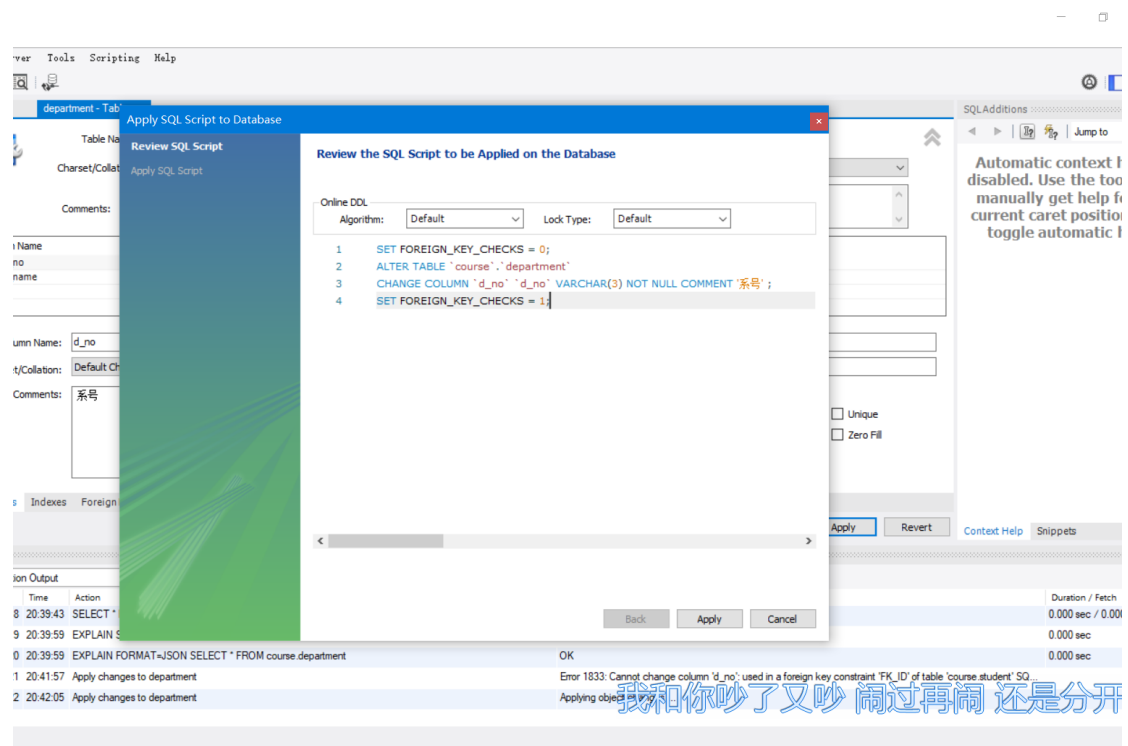




(4):添加注释信息和默认值等辅助信息:



-----分割线：-----
因前两个表有个别错误 在此处做处理



3. 创建索引 这里采用主键索引即可。

```

C:\管理工具>mysql -uroot -p
Microsoft Windows [版本 10.0.18363.778]
(c) 2019 Microsoft Corporation。保留所有权利。

C:\Users\DELL>mysql -uroot -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.19 MySQL Community Server - GPL

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Oracle is a registered trademark of Oracle Corporation and/or its
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> use course;
Database changed
mysql> create index index1 on department(d_no(3));
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
  
```