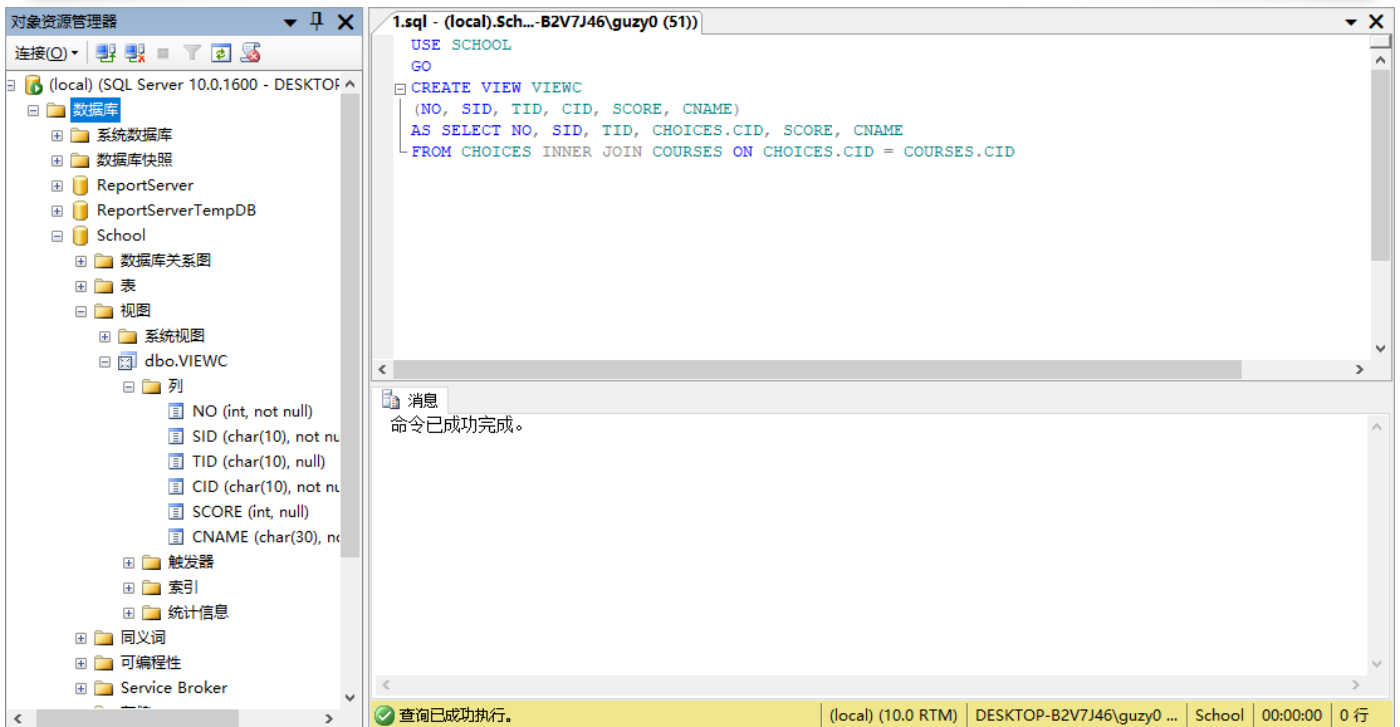


第4次实验

一、练习

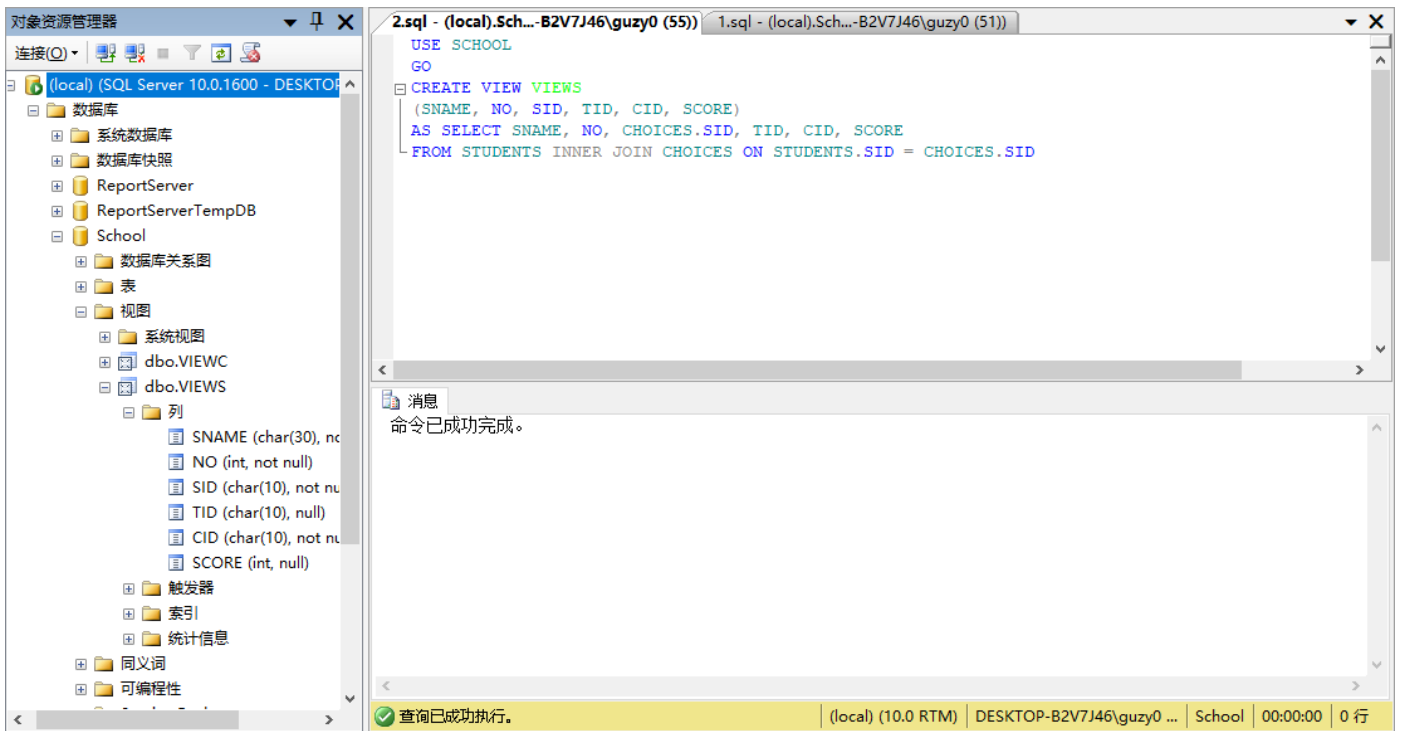
1. 定义选课信息和课程名称的视图 VIEWC;

```
USE SCHOOL
GO
CREATE VIEW VIEWC
(NO, SID, TID, CID, SCORE, CNAME)
AS SELECT NO, SID, TID, CHOICES.CID, SCORE, CNAME
FROM CHOICES INNER JOIN COURSES ON CHOICES.CID = COURSES.CID
```



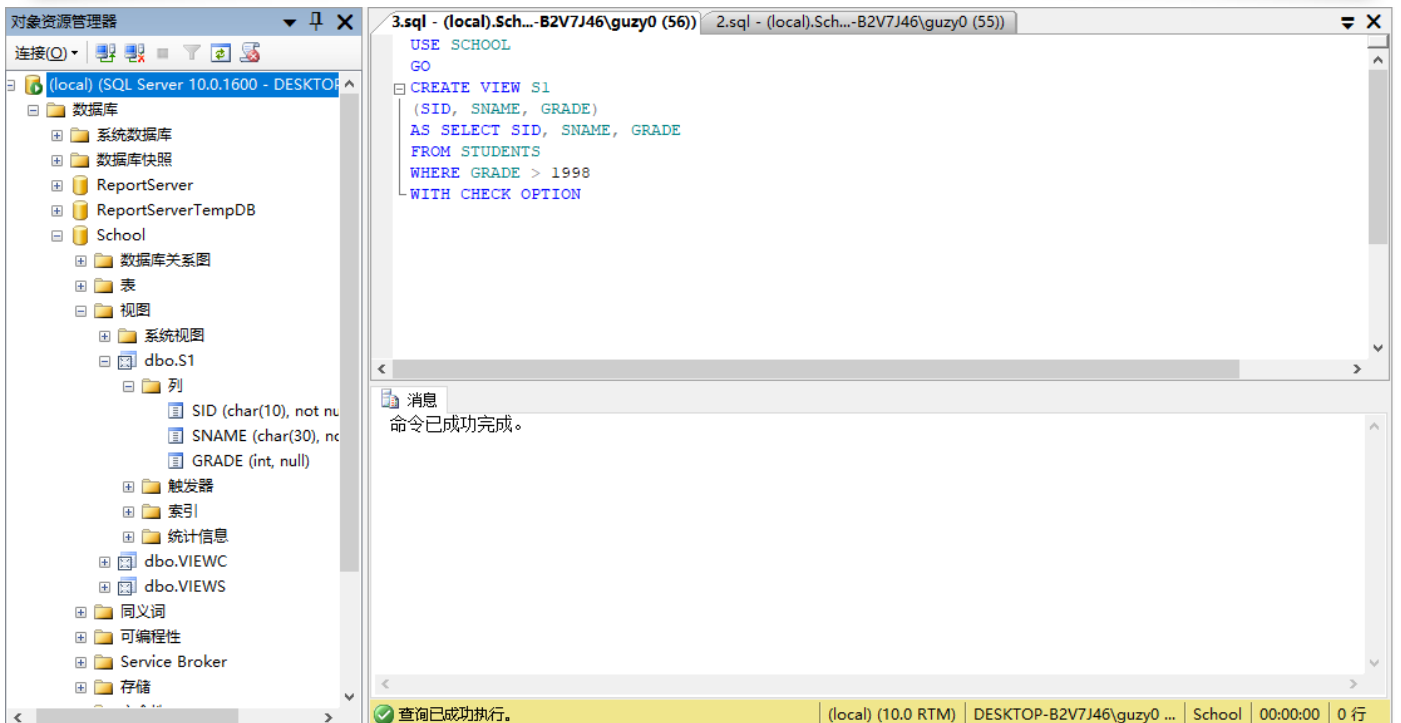
2. 定义学生姓名与选课信息的视图 VIEWS;

```
USE SCHOOL
GO
CREATE VIEW VIEWS
(SNAME, NO, SID, TID, CID, SCORE)
AS SELECT SNAME, NO, CHOICES.SID, TID, CID, SCORE
FROM STUDENTS INNER JOIN CHOICES ON STUDENTS.SID = CHOICES.SID
```



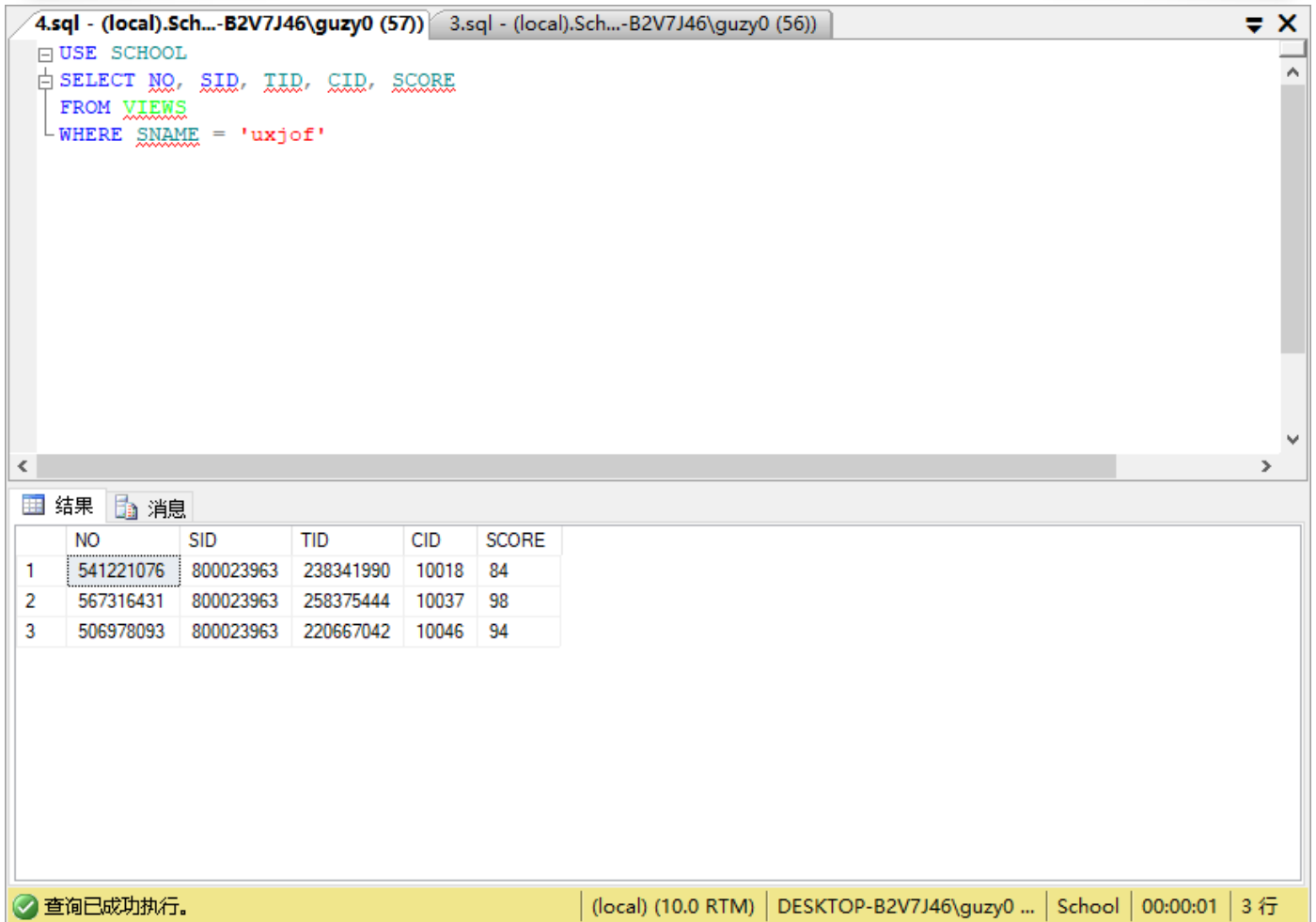
3. 定义年级低于1998的学生的视图S1(SID, SNAME, GRADE);

```
USE SCHOOL
GO
CREATE VIEW S1
(SID, SNAME, GRADE)
AS SELECT SID, SNAME, GRADE
FROM STUDENTS
WHERE GRADE > 1998
WITH CHECK OPTION
```



4. 查询学生为“uxjof”的学生的选课信息;

```
USE SCHOOL
SELECT NO, SID, TID, CID, SCORE
FROM VIEWS
WHERE SNAME = 'uxjof'
```



The screenshot shows a SQL Server Enterprise Manager window with a query editor and a results pane. The query editor contains the following SQL code:

```
4.sql - (local).Sch...-B2V7J46\guzy0 (57) 3.sql - (local).Sch...-B2V7J46\guzy0 (56)
USE SCHOOL
SELECT NO, SID, TID, CID, SCORE
FROM VIEWS
WHERE SNAME = 'uxjof'
```

The results pane displays the following table:

	NO	SID	TID	CID	SCORE
1	541221076	800023963	238341990	10018	84
2	567316431	800023963	258375444	10037	98
3	506978093	800023963	220667042	10046	94

At the bottom of the window, a status bar indicates: 查询已成功执行。 (local) (10.0 RTM) DESKTOP-B2V7J46\guzy0 ... School 00:00:01 3 行

5. 查询选修课程“UML”的学生的编号和成绩;

```
USE SCHOOL
SELECT SID, SCORE
FROM VIEWC
WHERE CNAME = 'UML'
```

5.sql - (local).Sch...-B2V7J46\guzy0 (58) 4.sql - (local).Sch...-B2V7J46\guzy0 (57)

```
USE SCHOOL
SELECT SID, SCORE
FROM VIEWC
WHERE CNAME = 'UML'
```

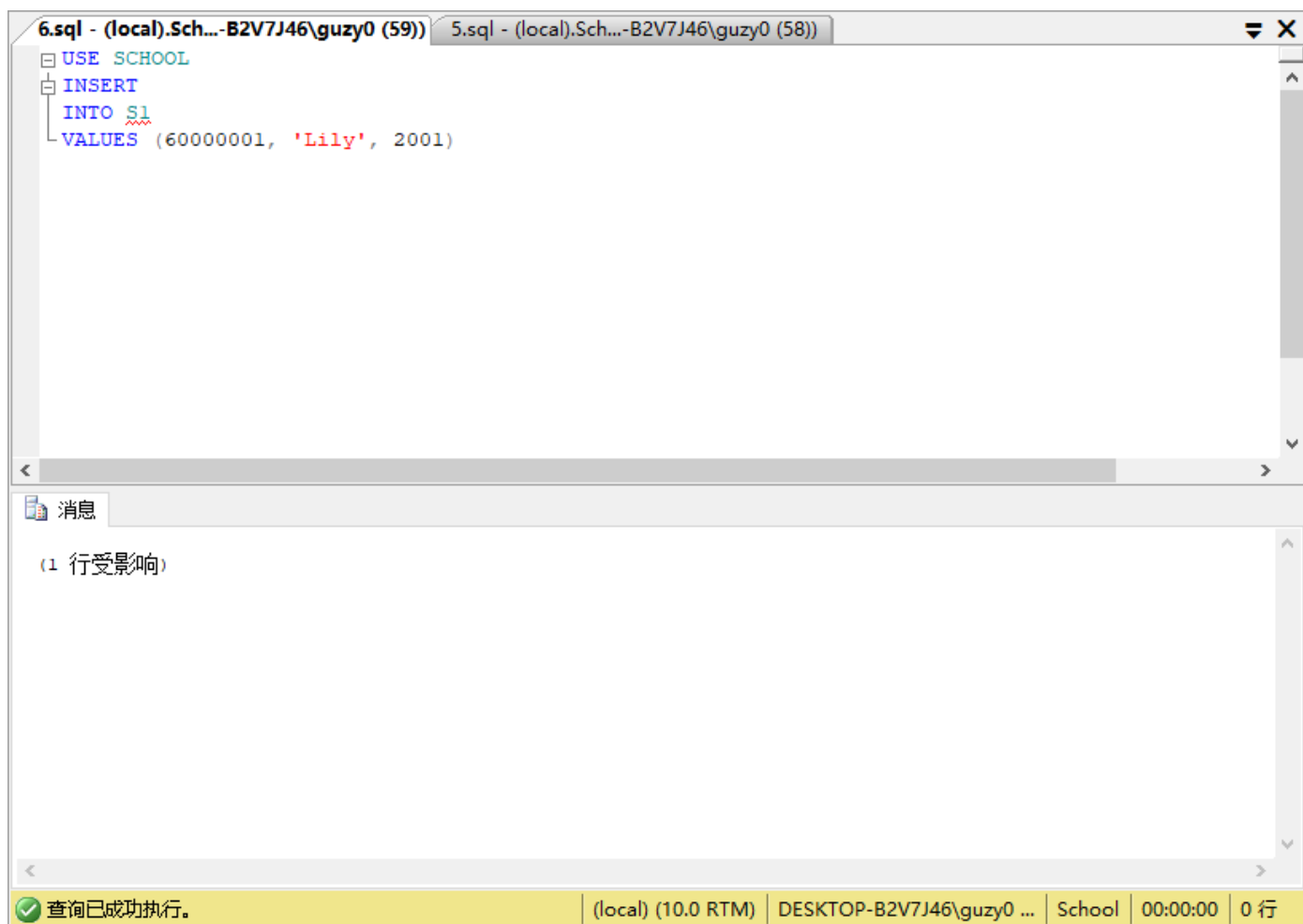
结果 消息

	SID	SCORE
1	848035070	88
2	897664264	62
3	898453203	91
4	846108663	86
5	827984677	86
6	823352185	NULL
7	882778410	69
8	884993242	74
9	806427512	96
10	848803637	85
11	839666024	92

查询已成功执行。 (local) (10.0 RTM) DESKTOP-B2V7J46\guzy0 ... School 00:00:00 5965 行

6. 向视图S1插入记录(60000001,Lily,2001);

```
USE SCHOOL
INSERT
INTO S1
VALUES (60000001, 'Lily', 2001)
```



7. 定义包括更新和插入约束的视图S1,尝试向视图插入记录(60000001,Lily,1997),删除所有年级为1999的学生记录,讨论更新和插入约束带来的影响;

```
USE SCHOOL
INSERT
INTO S1
VALUES (60000002, 'Lily', 1997)

DELETE S1
WHERE GRADE = 1999
```

7.sql - (local).Sch...-B2V7J46\guzy0 (60)) 6.sql - (local).Sch...-B2V7J46\guzy0 (59))

```
USE SCHOOL
INSERT
INTO S1
VALUES (60000002, 'Lily', 1997)

DELETE S1
WHERE GRADE = 1999
```

消息

消息 550, 级别 16, 状态 1, 第 2 行
试图进行的插入或更新已失败, 原因是目标视图或者目标视图所跨越的某一视图指定了 WITH CHECK OPTION, 而该操作的一个语句已终止。

消息 547, 级别 16, 状态 0, 第 6 行
DELETE 语句与 REFERENCE 约束"FK_CHOICES_STUDENTS"冲突。该冲突发生于数据库"School", 表"dbo.CHICES", column 'sid' 语句已终止。

查询已完成, 但有错误。 | (local) (10.0 RTM) | DESKTOP-B2V7J46\guzy0 ... | School | 00:00:00 | 0 行

8. 在视图 VIEWS中将姓名为“uxjof”的学生的选课成绩都加上5分;






```
USE SCHOOL
UPDATE VIEWS
SET SCORE = SCORE + 5
WHERE SNAME = 'uxjof'
```



9. 取消以上建立的所有视图。

```
USE SCHOOL
DROP VIEW VIEWC
DROP VIEW VIEWS
DROP VIEW S1
```

对象资源管理器

连接(Q)     

(local) (SQL Server 10.0.1600 - DESKTOP-B2V7J46)

数据库

系统数据库

数据库快照

ReportServer

ReportServerTempDB

School

数据库关系图

表

视图

系统视图

同义词

可编程性

Service Broker

存储

安全性

安全性

服务器对象

复制

管理

SQL Server 代理


9.sql - (local).Sch...-B2V7J46\guzy0 (62)

8.sql - (local).Sch...-B2V7J46\guzy0 (61)

```
USE SCHOOL
DROP VIEW VIEWC
DROP VIEW VIEWS
DROP VIEW S1
```

消息

命令已成功完成。

 查询已成功执行。

(local) (10.0 RTM) | DESKTOP-B2V7J46\guzy0 ... | School | 00:00:00 | 0 行