**第九单元 视图**

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| --- | --- | --- | --- | --- | --- |
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1. **实验目的**
2. **理解视图的概念**
3. **掌握利用SSMS图形界面和CREATE VIEW命令创建视图的方法**
4. **熟悉修改视图、查看视图和删除视图的方法**
5. **掌握通过视图修改数据表的方法**
6. **实验内容**

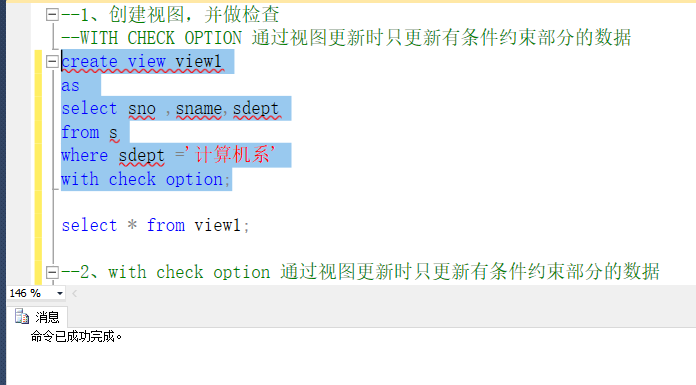
**分别使用SSMS图形化界面和T-SQL语句创建和管理视图**

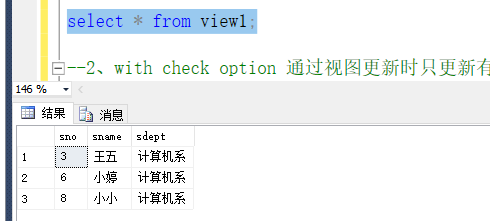
1. **实验步骤**

**实验内容：**

**仿照上述参考案例，完成发给大家的视图文件中的练习题**

1.

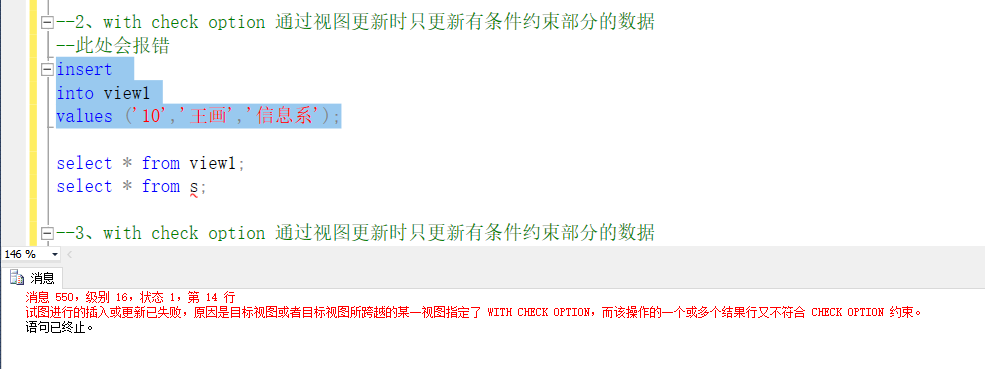




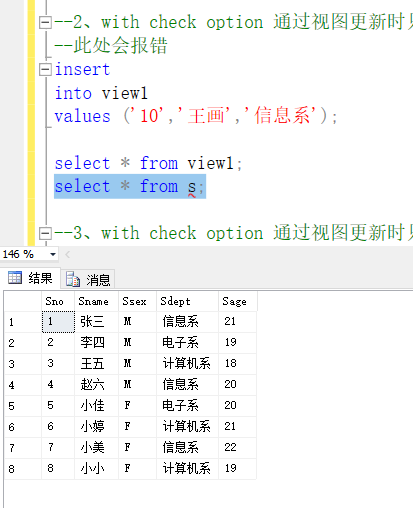
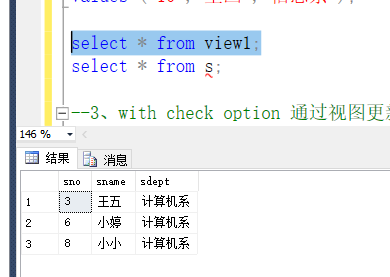
2.

上一题设置了插入约束

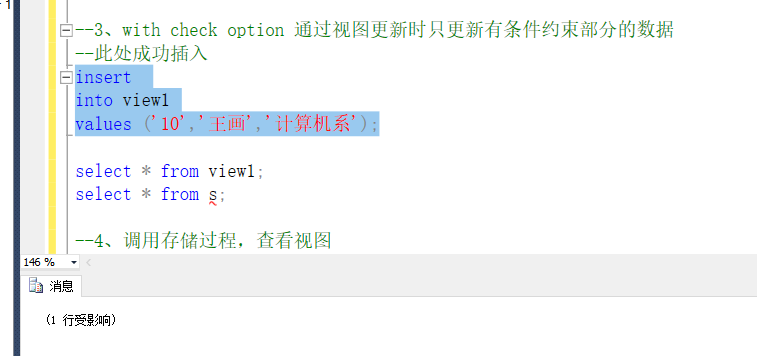
因为要插入的数据不是计算机系的，所以不能插入



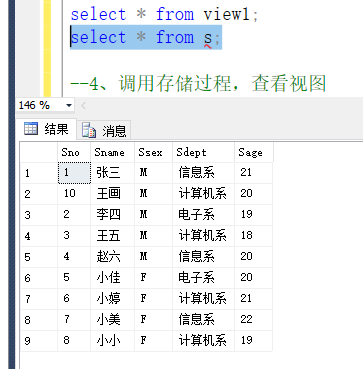
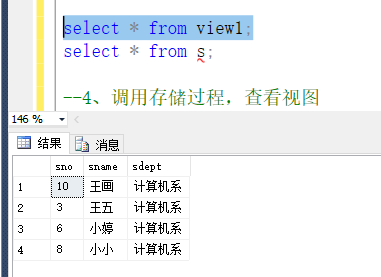
可以看出视图和原表格都没有插入数据，因为一开始有插入约束，报错，所以都没有插入数据



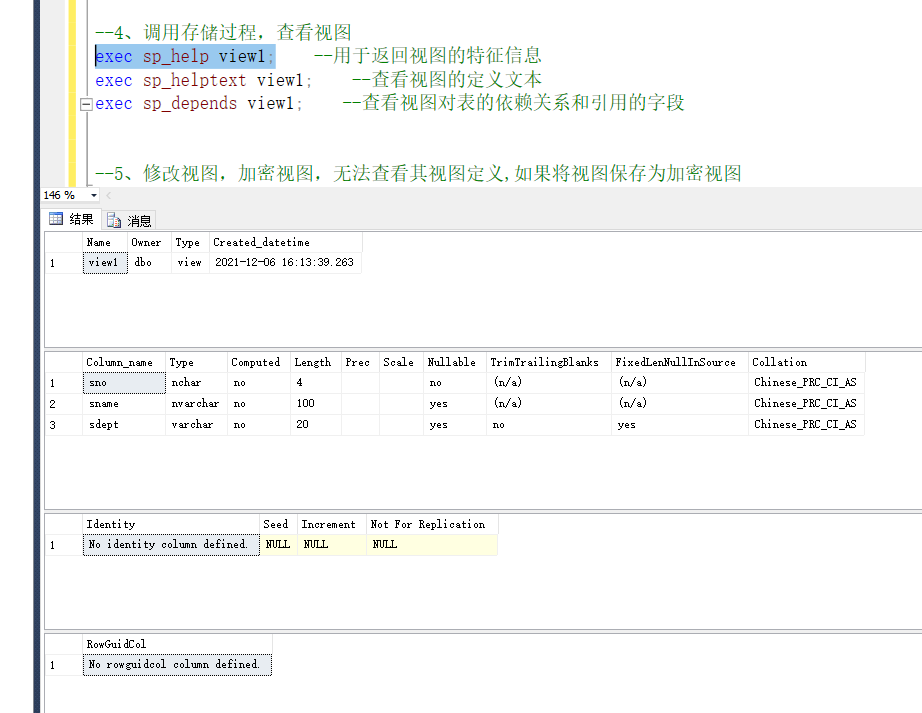
1. 插入计算机系学生，符合约束，所以插入成功

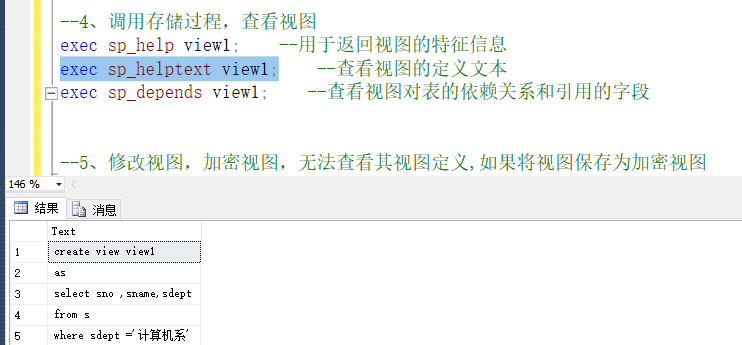


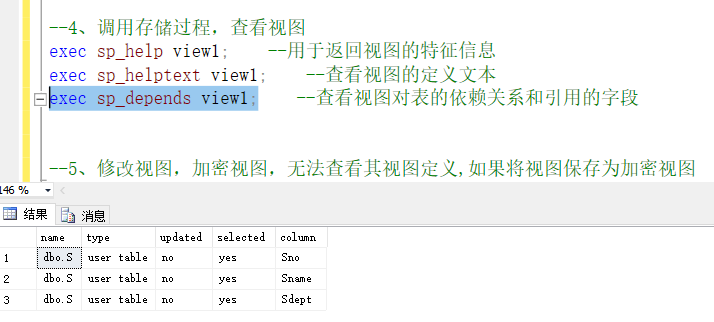
可以看出对视图的更改也能影响到原表格



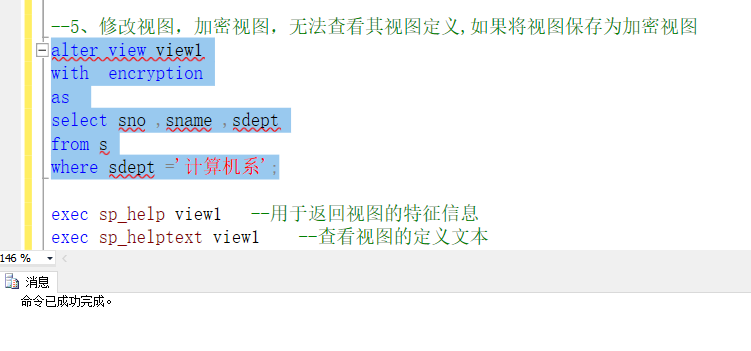
4.



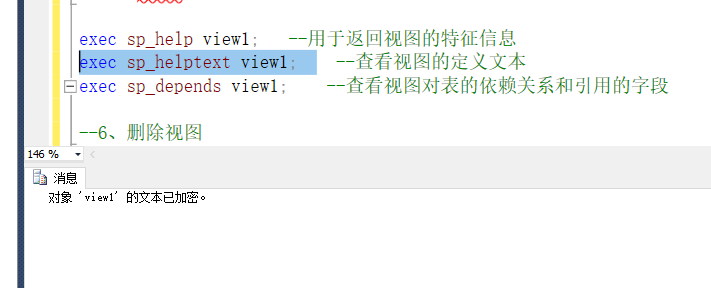
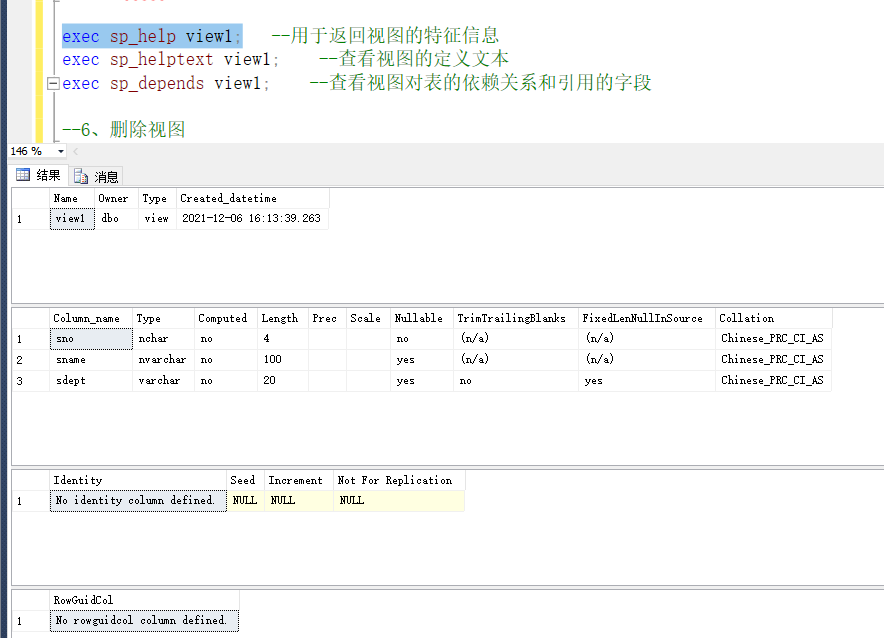


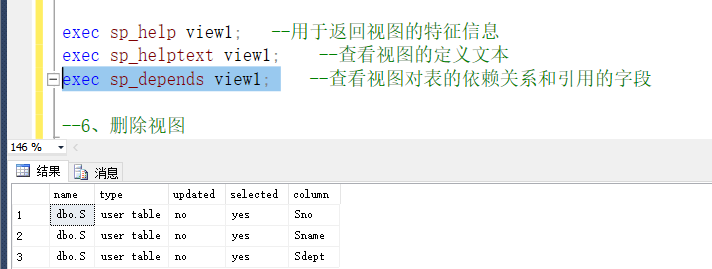


5.用encryption对视图进行加密



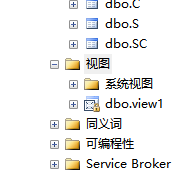
可以看出来，加密后，不可以看视图的定义文本



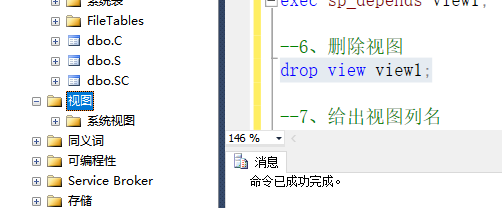


6.

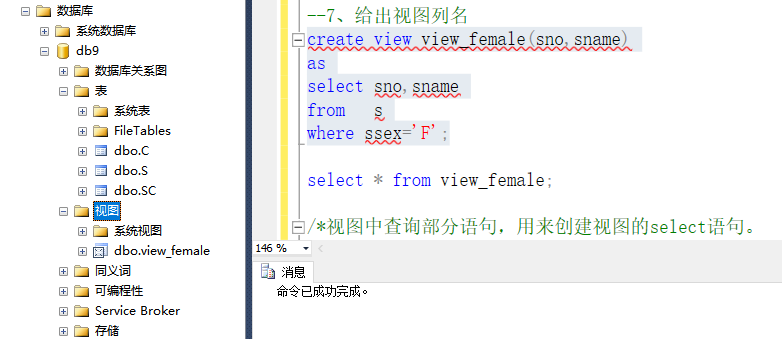
删除前

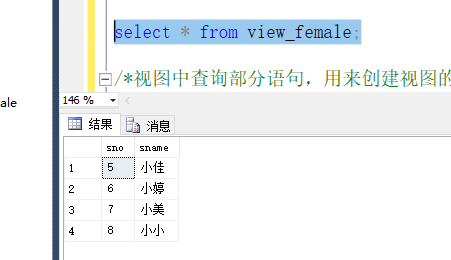


删除后

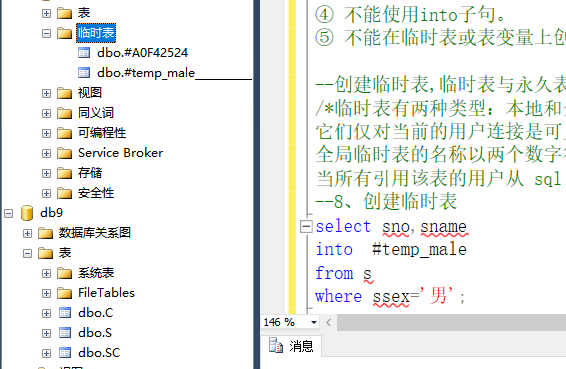


7.



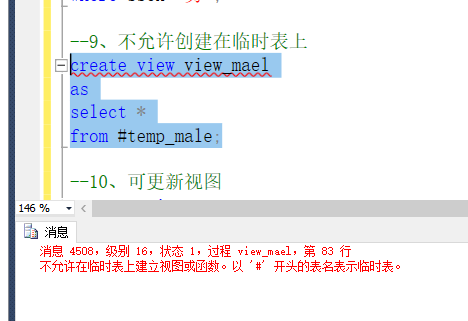


8.创建的临时表在tempdb中

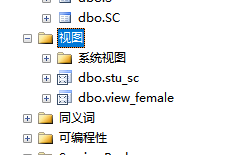
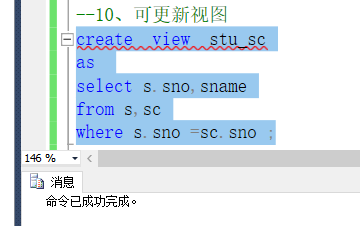


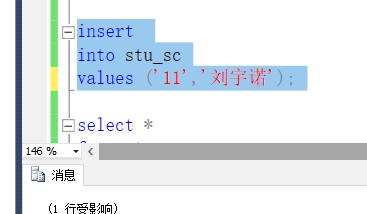
9.

不能在临时表上创建视图

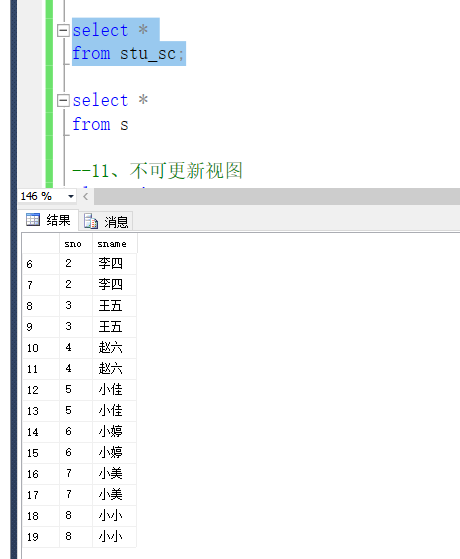


10.

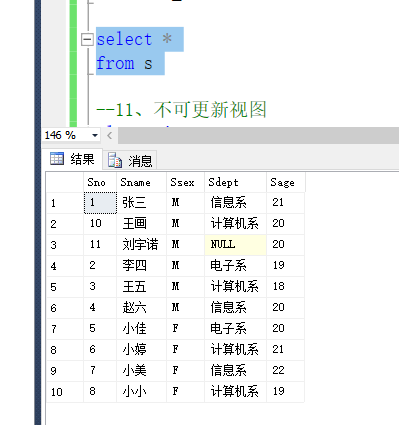




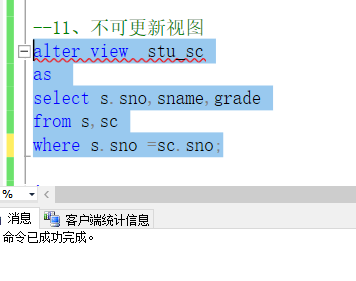
因为这个视图是s表和sc表连接的结果，上边插入的数据插入到了表中



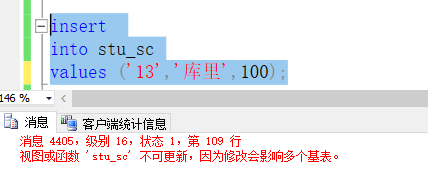
在s表中看到了插入的数据



11.

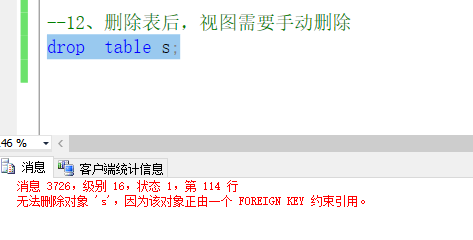


因为插入这个数据后会影响S表和sc表格，上边的可修改视图，插入数据后只影响了s表格所以可以插入。而这个会影响多个表格。



12.

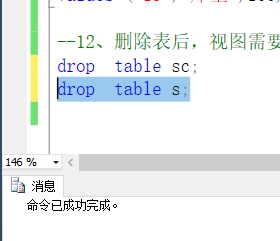
有一个外键约束



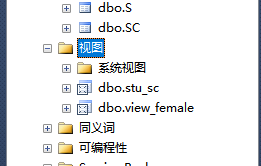
先删除外键约束



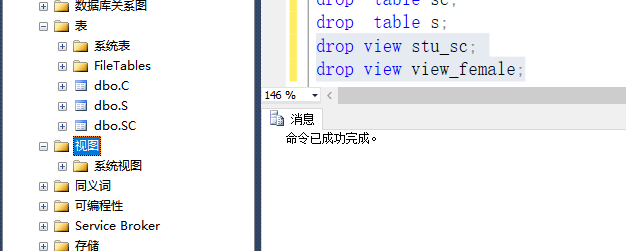
再删除s表



删除s表后，视图任然存在

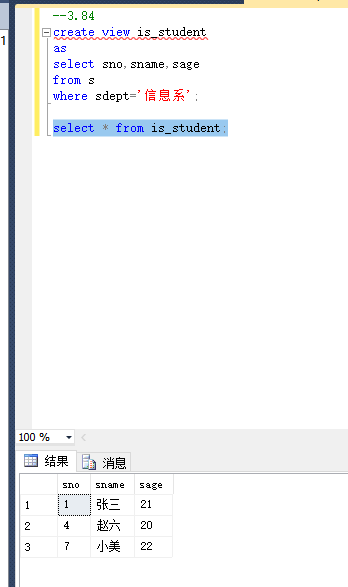


手动删除视图

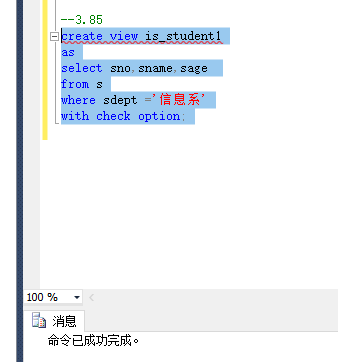


**仿照上述参考案例，完成课本中的例题3.84-97，每题写标题，并做总结。**

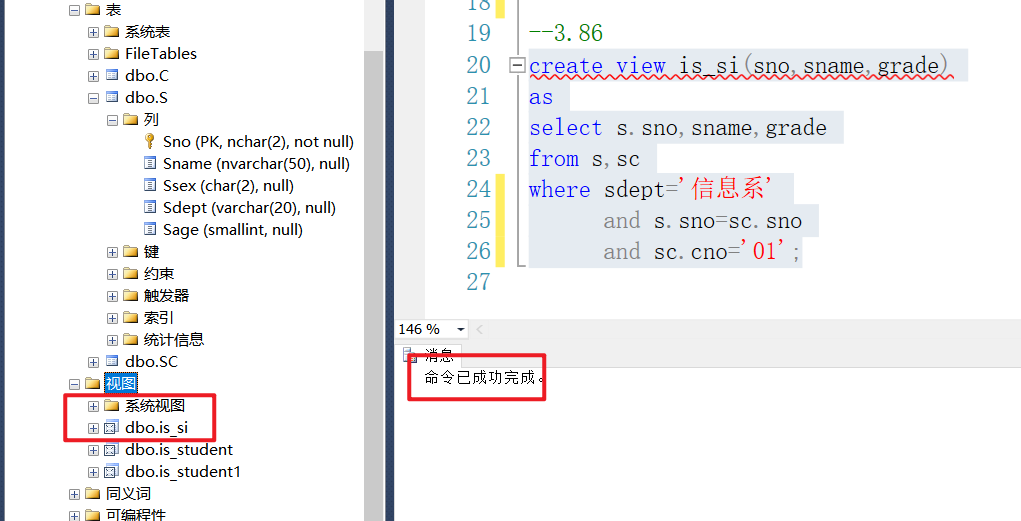
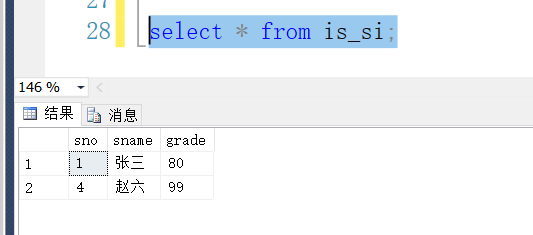
3.84



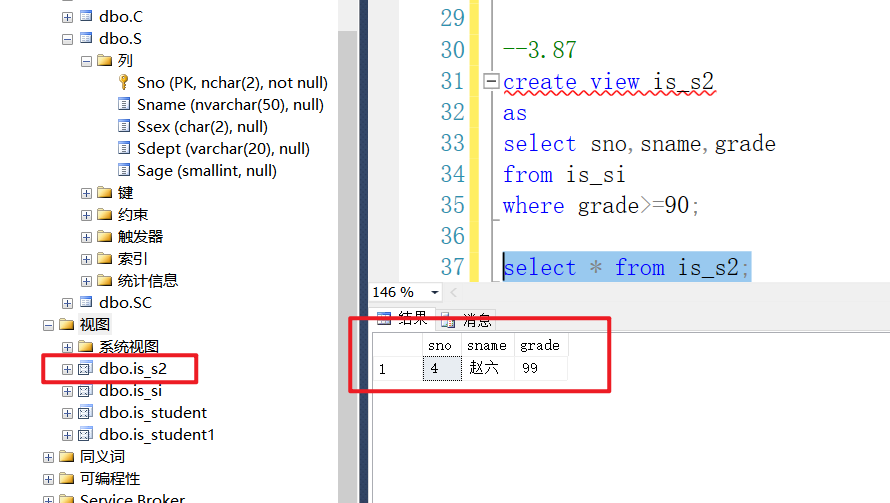
3.85



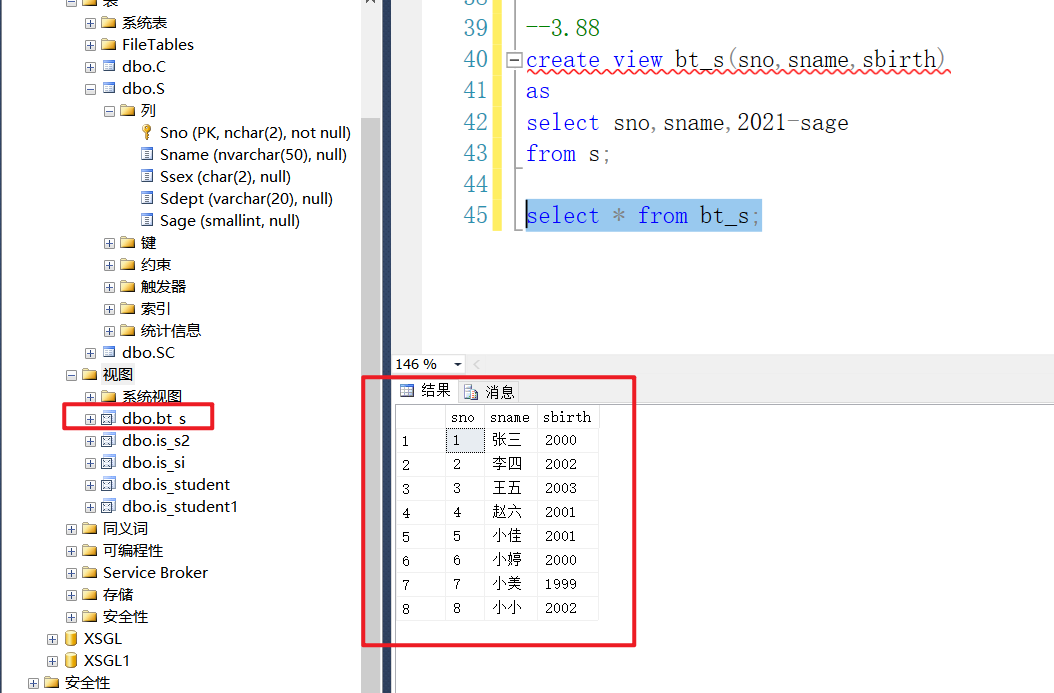
3.86

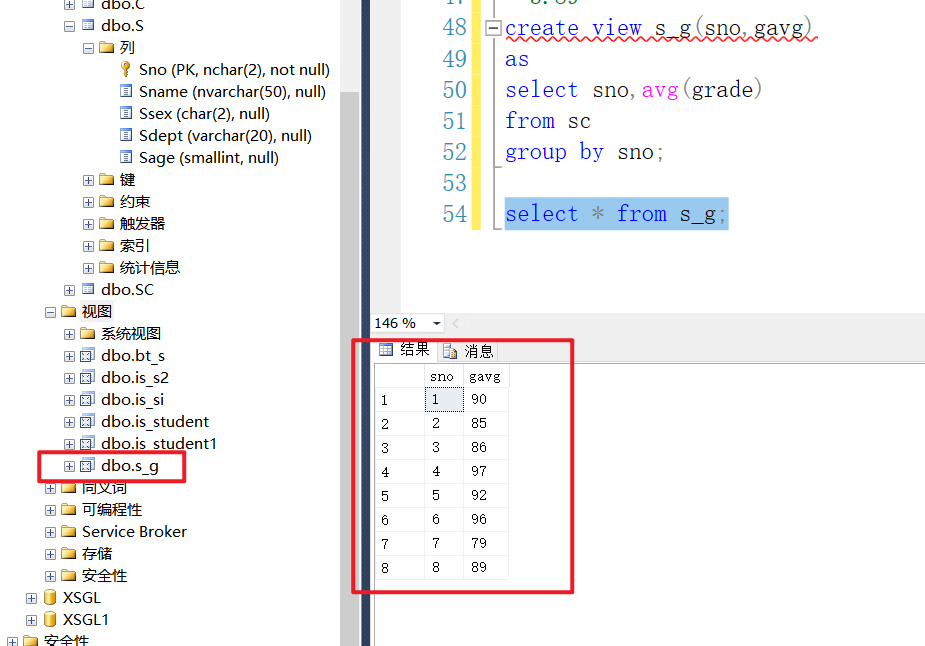
3.87



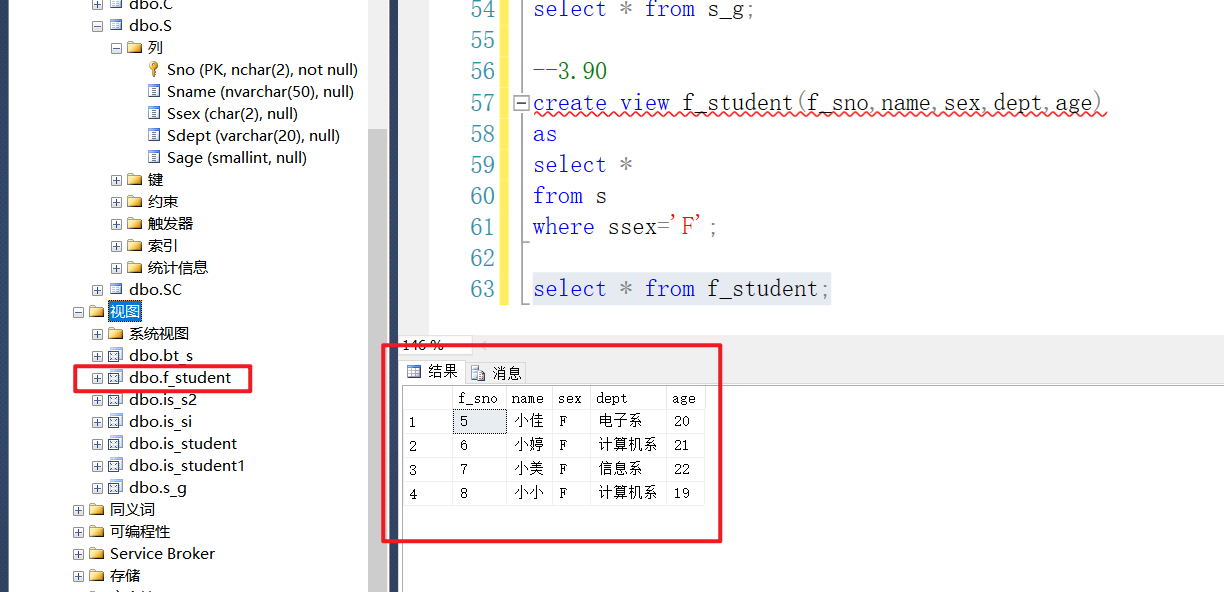
3.88



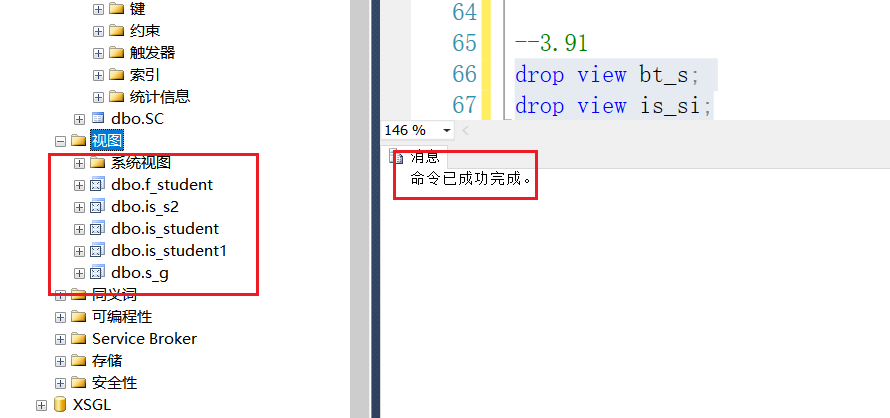
3.89



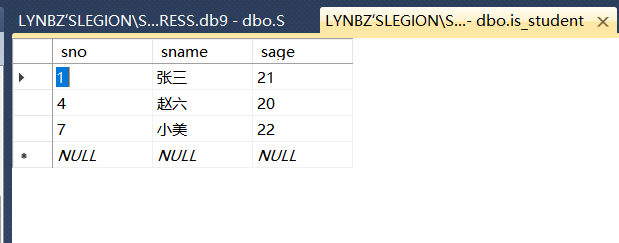
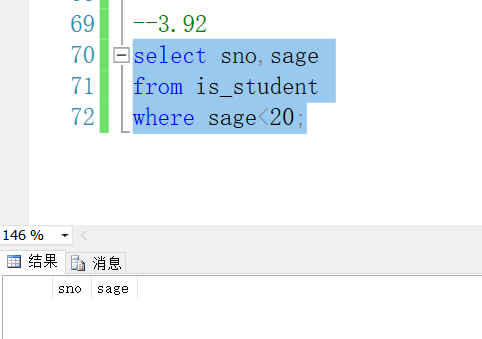
3.90



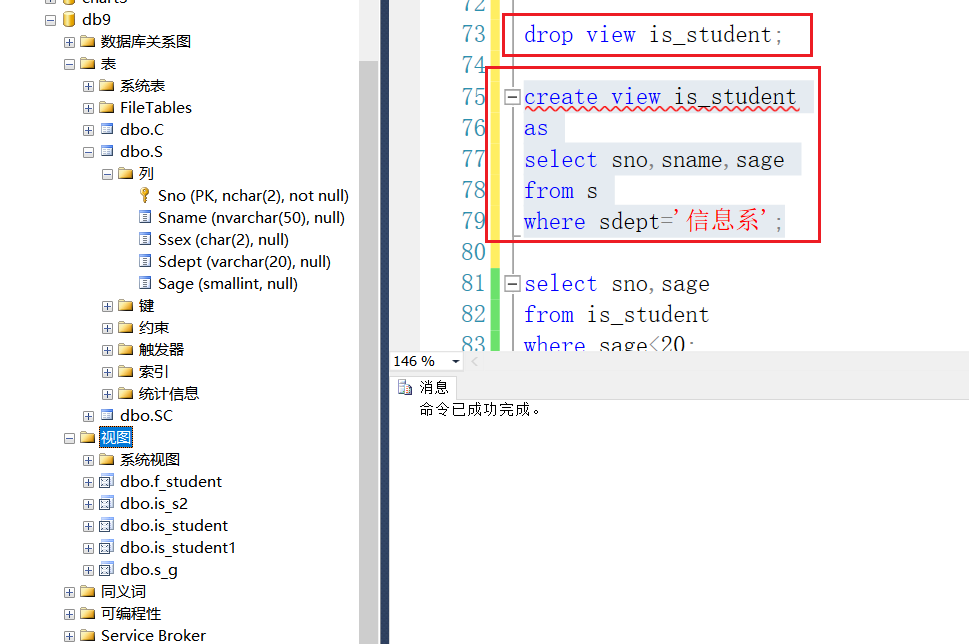
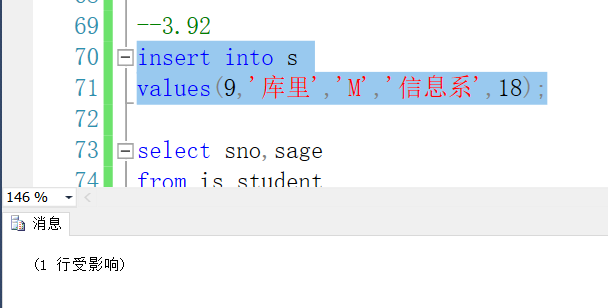
3.91



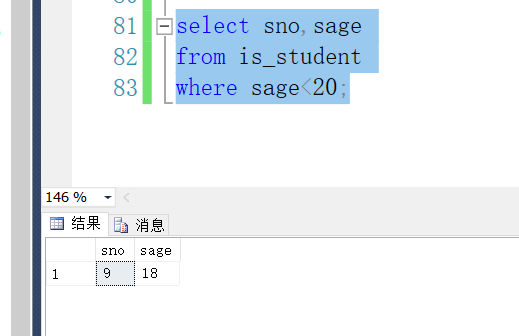
3.92 信息系的学生年龄都大于20岁，需要修改一下数据



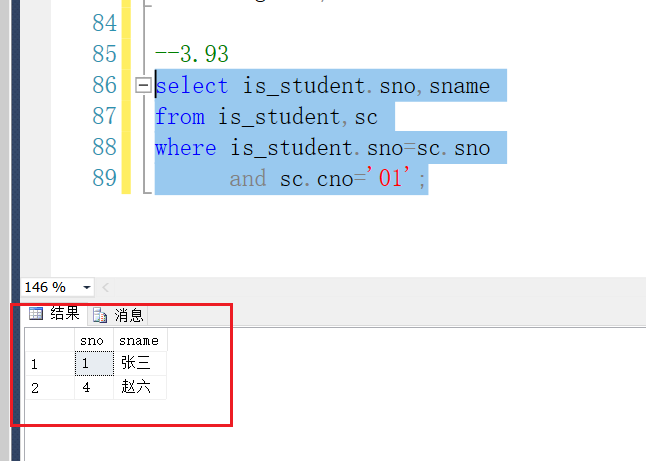
插入一条数据：



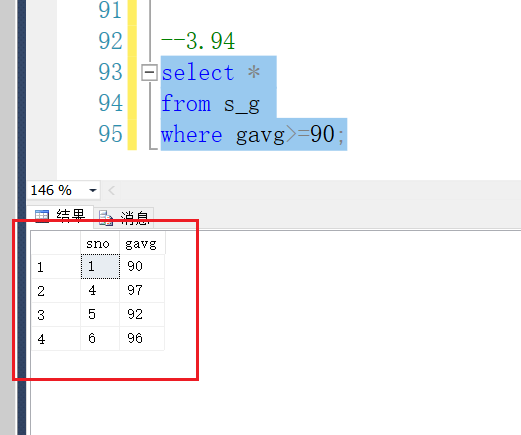
结果就是插入的数据，学号为9的库里；



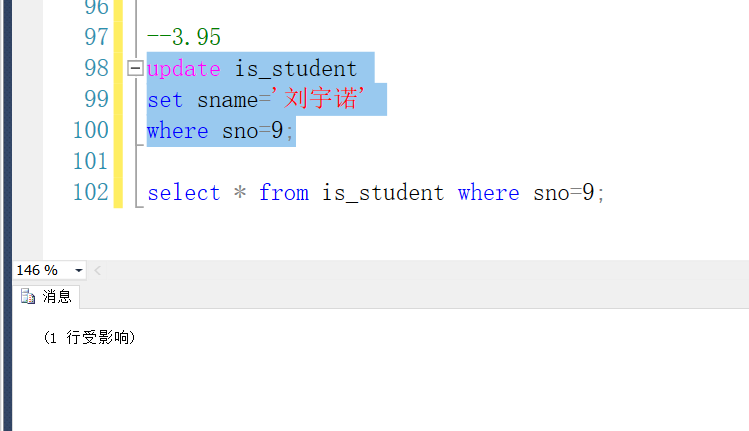
3.93



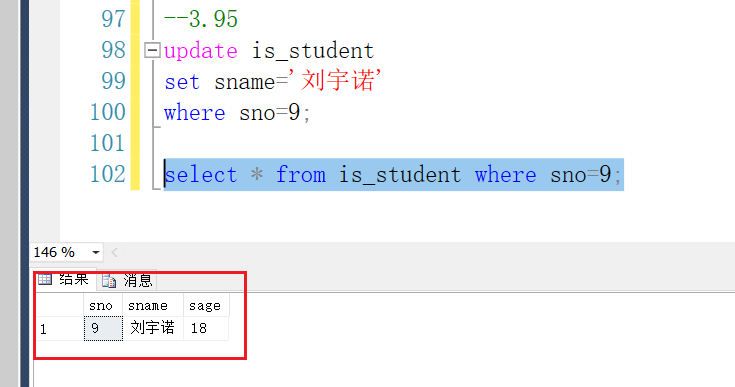
3.94



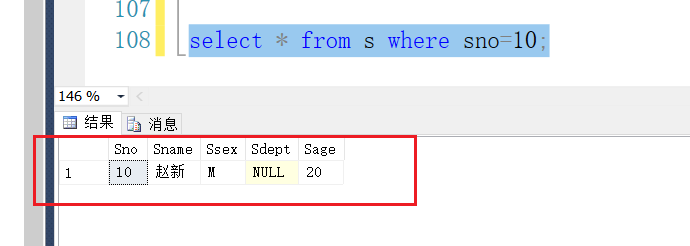
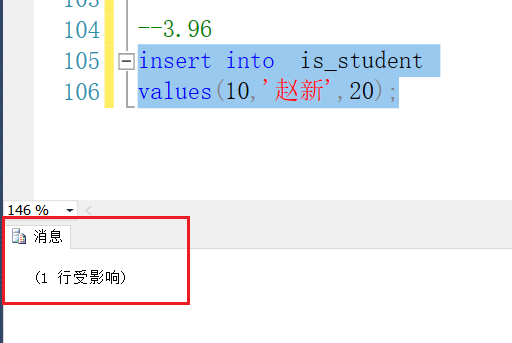
3.95



数据和书上的不一样，就把刚刚加入的库里改成我的名字；



3.96



3.97

