

# 第4次实验

## 一、练习

1. 向STUDENTS表插入编号是“800022222”且姓名是“WangLan”的元组。

```
USE SCHOOL
INSERT
INTO STUDENTS
VALUES ('800022222', 'WangLan', null, null)
```

消息

(1 行受影响)

2. 向TEACHERS表插入元组(“200001000”,“LXL”,“s4zrck@pew.net”,“3024”)。

```
USE SCHOOL
INSERT
INTO TEACHERS
VALUES ('200001000', 'LXL', 's4zrck@pew.net', 3024)
```

(1 行受影响)

3. 将TEACHERS表中编号为“200010493”的老师工资改为4000。

```
USE SCHOOL
UPDATE TEACHERS
SET SALARY = 4000
WHERE TID = '200010493'
```

(1 行受影响)

4. 将TEACHERS表中所有工资小于2500的老师工资改为2500。

```
USE SCHOOL
UPDATE TEACHERS
SET SALARY = 2500
WHERE SALARY < 2500
```

(5814 行受影响)

5. 将编号为“200016731”的老师讲授的课程全部改成由姓名为“rnupx”的老师讲授。

```
USE SCHOOL
UPDATE CHOICES
SET TID = (SELECT TID
           FROM TEACHERS
           WHERE TNAME = 'rnupx')
WHERE TID = '200016731'
```

(23 行受影响)

6. 更新编号“800071780”的学生年级为“2001”。

```
USE SCHOOL
UPDATE STUDENTS
SET GRADE = '2001'
WHERE SID = '800071780'
```

(1 行受影响)

7. 删除没有学生选修的课程。

```
USE SCHOOL
DELETE COURSES
WHERE CID NOT IN (SELECT DISTINCT COURSES.CID
                  FROM COURSES INNER JOIN CHOICES ON COURSES.CID = CHOICES.CID)
```

(0 行受影响)

8. 删除年级高于1998的学生信息。

```
USE SCHOOL
DELETE CHOICES
WHERE SID IN (SELECT DISTINCT STUDENTS.SID
              FROM STUDENTS INNER JOIN CHOICES ON STUDENTS.SID = CHOICES.SID
              WHERE grade < 1998)
DELETE STUDENTS
WHERE GRADE < 1998
```

(139750 行受影响)

(46600 行受影响)

9. 删除没有选修课程的学生信息。

```
USE SCHOOL
DELETE STUDENTS
WHERE SID NOT IN (SELECT DISTINCT STUDENTS.SID
                  FROM STUDENTS INNER JOIN CHOICES ON STUDENTS.SID = CHOICES.SID)
```

(1 行受影响)

10. 删除成绩不及格的选课记录。

```
USE SCHOOL
DELETE CHOICES
WHERE SCORE < 60
```

