# 实验五

**（1）**

**十三题**

1.

select \* from Student

where Clno =

(

--李勇的学号

select Clno

from Student

where Sname = '李勇'

)

2.

select \*

from Student

where Sno in

(

--和李勇有相同的选修课程的人的学号

select Sno from Grade

where Cno in

(

--李勇的选课

select Cno from Grade where Sno =

--李勇的学号

(select Sno

from Student

where Sname = '李勇'))

)

3.

select \* from Student where Sage

between (select Sage from Student where Sname = '李勇') and 25

4.

select Sno,Sname from Student where

Sno in (select Sno from Grade where Cno in

(select Cno from Course where Cname = '操作系统'))

5.

--选1课程的学生学号

select Sname from Student where Sno not in (select Sno from Grade where Cno = 1)

6.

select Sname from Student

where not exists (select \* from Course

where not exists (select \* from Grade where Grade.Cno = Course.Cno and Grade.Sno = Student.Sno)

)

**十四题**

1.

select Sno,Gmark from Grade

where Cno = 3

order by Grade.Gmark desc

2.

select \* from Student order by Clno,Sage desc

3.

select Cno as '课程号',count(\*) as '选课人数' from Grade group by Cno

4.

select Sno from Grade group by Sno having count(\*) > 3

**（2）**

使用Exists时，外层where为真的条件：内层循环有一条数据满足条件

外层where为假的条件：内层循环扫描到底，没有一条数据满足条件

使用Not Exists时，外层where为真的条件：内层循环扫描到底，没有一条数据满足条件

外层where为假的条件：内层循环有一条满足条件

**思考题**

1. UNION 操作符选取的值不能相同，UNION ALL 允许重复的值
2. 选用效率更高的连接词查询
3. 可以在select、having、where字句中使用，group by中不可以使用

# 实验六

**（1）**

**1.**

update Grade

set Gmark = 0

where sno in

(select sno from Student where Clno = '01311')

**2.**

delete from Grade where Sno in

(select Sno from Student where Clno in

(select Clno from Class where Speciality='计算机软件' and Monitor like '2001%')

)

**3.**

update Class set Number = Number - 1 where Clno = (select Clno from Student where Sname = '李勇')

delete from Grade where Sno in (select sno from student where Sname = '李勇')

delete from Student where Sname='李勇'

**4.**

CREATE TABLE Savage(

Clno Char(5) NOT NULL,

Avage Smallint

);

insert into Savage(Clno,Avage)

select Clno,AVG(Sage)

from Student

group by Clno

**（2）**

对的

**思考题**

**Drop是删除基本表或者删除Drop column删除表中的一个列，修改了表结构**

**Delete是删除表中行记录（元组）**

# 实验七

**（1）**

**1.**

Create view Stu\_01311\_1

as select \* from Student where Sno in (select Sno from Grade where Cno=1)

**2.**

Create view Stu\_01311\_2

as select \* from Student where Sno in (select Sno from Grade where Cno=1 and Gmark < 60)

**3.**

drop view Stu\_year

Create view Stu\_year

as select Sno ,Sname ,2018-Sage as Byear from Student

**4.**

select Sname from Stu\_year where Byear > '1990'

**5.**

select \* from Stu\_year where Sno in( select Sno from Stu\_01311\_2)

**（2）**

create view Class\_grade

as select Clno,avg(Gmark)as'avgmark' from Student join Grade on Student.Sno = Grade.Sno group by Clno

不能更新，因为视图的定义含有group by 和 聚集函数