

HW3

1.

```
select Student.sno,Student.sname from Student,  
(select cno from Course where type=0)c0,  
SC where Student.sno=SC.sno and c0.cno=SC.cno and  
SC.score is null;
```

2.

```
(select Student.sname from Student,  
(select cno,credit from Course where type=0)cos0,  
SC where SC.sno=Student.sno and cos0.cno=SC.cno  
group by Student.sname having SUM(cos0.credit)>16)  
Intersects  
(select Student.sname from Student,  
(select cno from Course where type=2)cos1,  
SC where SC.sno=Student.sno and cos1.cno=SC.cno  
group by Student.sname having MIN(SC.score)>75)
```

3.

```
Select sno,SUM(score) as sum_score From SC  
Group By sno Order By sum_score DESC INTO sum_score_table  
Select sno,sname,AVG(score) as avg_score  
From(Select Student.sno,Student.sname,SC.sno,SC.cno,Course.cno,Course.type  
From Student,Course,SC  
Where Student.sno=SC.sno and Course.cno=SC.cno and Course.type=0)  
Where sno IN(Select sno From sum_score_table  
Where sum_score>=(Select sum_score From sum_score_table  
Limit 1 Offset Ceiling(Select 0.5*Count(*) From sum_score_table)))  
sum_score_table Join top_half_table  
On sum_score_table.sno=top_half_table.sno
```

4.

```
Select Course.cname,Course.type,AVG(score) as avg_score, unpass_rate  
From Course, SC Group By cno Order By INSTR('2,0,1,3',type)  
Select cno score From(Select Course.cno,Course.type,SC.score  
From Course,SC
```

```
Where Course.cno=SC.cno)
where COUNT(score<60)/COUNT(score) group by cno as unpass_rate
```

5.

```
Delete from SC
where term < Max(term)
group by sno
```