

1)

```
SELECT T.ID , T.name ,T.tot_cred  
FROM student as T , student as S  
WHERE S.ID='19991' and T.tot_cred < S.tot_cred;
```

2)

```
SELECT DISTINCT student.name , student.ID ,course_id,title,credits,grade  
FROM student NATURAL JOIN takes NATURAL JOIN course  
WHERE course.dept_name = student.dept_name;
```

3)

```
( SELECT ID,name  
  FROM instructor  
  WHERE dept_name='Music')  
UNION  
(SELECT ID, name  
  FROM student  
  WHERE dept_name='Music');
```