COMP23111

2017-2018

EX03

9961177

```
select name
from student
where dept_name = "Comp. Sci.";

select id,name
from studen natural join takes
minus
select id,name
from studen natural join takes
where year<2009;

select dept_name, max(salary)
from instructor
group by dept_name;


select min(maximum_salary)
from (
select dept_name, max(salary)maximum_salary
from instructor
group by dept_name
);


INSERT INTO course(course_id, title, dept_name, credits) VALUES ('CS-001', 'Weekly Seminar', 'Comp. Sci.',
10);
INSERT INTO course(course_id, title, dept_name, credits) VALUES ('CS-001', 'Monthly Seminar', 'Comp. Sci.',
0);
ORA-02290: check constraint (MBAXAQZ2.SYS_C00956321) violated
the error occur because the credit for the course can not be 0;


INSERT INTO SECTION(course_id, sec_id, semester, YEAR) VALUES ('CS-001', '1', 'Fall', 2009);
the columns building, room_no, time_slot_id are missing. but i still add the row successfully


insert into takes(id,course_id,sec_id,semester,year)
select id,'CS-001','1','Fall',2009
from student
where dept_name='Comp. Sci.';

SQL> delete from takes
  2  where(course_id = 'CS-001')and(sec_id = '1')and(semester='Fall')and(year=2009)
  3  and(id in(
  4  select id
  5  from student
  6  where name = 'Zhang'
  7  )
```

```
  8  );

SQL> delete from takes
  2  where course_id in(
  3  select course_id
  4  from course
  5  where lower(title) like '%database%');

SQL> delete from course
  2  where course_id = 'CS-001';
```
there is no error message
1 line is deleted
it is because the foreign key'course_id'of section has on delete cascade
so the one in section will be deleted when the course cs001 is deleted in course.

```
select count(distinct report_number)
from accident natural join participated
where driver_id in(
  select driver_id
  from person
  where name ='Jane Rowling');

update participated
  set damage_amount = 2500
  where report_number = '7897423' and license = 'KUY 629';

select name,damage_amount
 from person natural join participated
where damage_amount>3000
order by damage_amount DESC;

create view average_damage_per_location as
  select location, avg(damage_amount)as average
  from accident natural join participated
  group by location;

select location
from(select * from average_damage_per_location
  order by avg(damage_amount) DESC)
  limit 1;
```