1. /\*create table Department(

id number not null,

name varchar not null,

constraint dep\_id\_pk primary key(id)

);

create table Employee(

id number not null,

department\_id number,

chief\_id number not null,

name varchar2(50) not null,

salary number,

constraint emp\_id\_pk primary key(id),

constraint dep\_id\_fk foreign key(department\_id)

references Department(id)

);

2. insert into Department(id, name) values(1, 'IT Department');

insert into Department(id, name) values(2, 'Business Department');

insert into Department(id, name) values(3, 'Funny Department');

insert into Employee(id, department\_id, chief\_id, name, salary) values(1, 1, 11, 'Jason Derulo', 100);

insert into Employee(id, department\_id, chief\_id, name, salary) values(2, 3, 6, 'HZ', 1000);

insert into Employee(id, department\_id, chief\_id, name, salary) values(5, 3, 6, 'efbjebf', 1)

insert into Employee(id, department\_id, chief\_id, name, salary) values(3, 2, 9, 'MJ', 10);

insert into Employee(id, department\_id, chief\_id, name, salary) values(4, 1, 11, 'J. Cole', 1000000);\*/

/\*update employee

set name = 'MJ', salary = 123456

where id = 3;\*/

--delete from employee where id = 5;

3. a) /\*select sum(salary), avg(salary), count(salary) from employee e

where e.salary > 1000 and not e.id = 2;\*/

/\*select department\_id, name, salary from employee e

group by department\_id;\*/

/\*select name, salary from employee e

group by department\_id

having salary < 1001;\*/

b) /\*select \* from employee as e, (select min(id) as mini, max(id) as maxi from employee) as m

where m.maxi = e.id or m.mini = e.id

order by salary desc;\*/

c) /\*select e.id, e.name, d.name from employee e

join department d on e.department\_id=d.id; --inner\*/

/\*select d.id, d.name, e.id, e.name, e.department\_id from department d

left join employee e on e.department\_id=d.id;\*/

/\*select e.id, e.name, e.department\_id, d.id, d.name from employee e

left join department d on e.department\_id = d.id

where d.id = 1;\*/

/\*select e.name employee, d.id department from employee e

inner join employee d on d.id = e.department\_id

order by department;\*/

SELECT e.name, d.name, e.salary FROM employee e

INNER JOIN department d ON e.id <> d.id

AND e.department\_id = d.id;