**SQL Queries**

1) Write a query for the HR department to produce the addresses of all the departments.

Use the LOCATIONS and COUNTRIES tables. Show the location ID, street address,

city, state or province, and country in the output. Run the query



Ans. select locations.location\_id, locations.street\_address, locations.city, locations.state\_province,

countries.country\_name

from locations inner join countries on locations.country\_id=countries.country\_id;

2) The HR department needs a report of employees in Toronto. Display the last name, job,

department number, and department name for all employees who work in Toronto.



Ans. Select employees.last\_name, employees.job\_id, employees.department\_id, departments.department\_name

from employees

join departments on employees.department\_id=departments.department\_id

join locations on departments.location\_id=locations.location\_id

where city='Toronto';

3) Create a report for HR that displays the last name and salary of every employee who reports to

King.

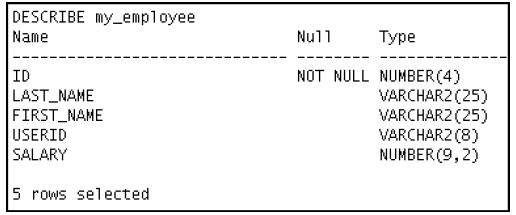


Ans. select employees.last\_name,employees.salary

from employees

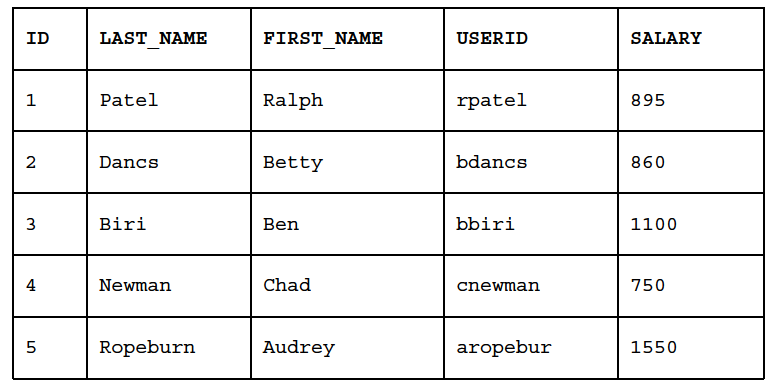
where manager\_id=(select employee\_id from employees where last\_name='king');

4) Create Table MY\_EMPLOYEE. Description is shown below:



Ans. create table my\_employee(id int(4) not null, last\_name varchar(25), first\_name varchar(25), user\_id varchar(8), salary decimal(9,2));

5) Add the following data to the MY\_EMPLOYEE table



Ans.insert into my\_employee(id, last\_name, first\_name, user\_id, salary)

values(1, 'Patel', 'Ralph', 'rpatel', 895), (2, 'Dancs', 'Betty', 'bdancs', 860), (3,'Biri','Ben','bbiri',1100), (4, 'Newman', 'Chad', 'cnewman', 750) , (5,'Ropeburn','Audrey','aropebur',1550));

6) Change the last name of employee 3 to Drexler.

Ans. update my\_employee

set last\_name='Drexler'

where id=3;

7) Change the salary to $1,000 for all employees who have a salary less than $900.

Ans. update my\_employee

set salary=1000

where salary<900;

8) Delete Betty Dancs from the MY\_EMPLOYEE table.

Ans. delete from my\_employee

where last\_name='dancs';

9) Mark an intermediate point in the processing of the transaction.

Ans. savepoint id;

10) Delete all the rows from the MY\_EMPLOYEE table. Confirm that the table is empty.

Ans. delete from my\_employee;

11) Discard the most recent DELETE operation.

Ans. rollback to savepoint id;

12) Make the data addition permanent.

Ans. commit;

13) The staff in the HR department wants to hide some of the data in the EMPLOYEES table. Create

a view called EMPLOYEES\_VU based on the employee numbers, employee last names, and

department numbers from the EMPLOYEES table. The heading for the employee name should be

EMPLOYEE.

Ans.create view employees\_vu as

select id, last\_name

from my\_employee;

Confirm that the view works. Display the contents of the EMPLOYEES\_VU view

Ans. select \* from employees\_vu;