**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 location\_id,street\_address,city,state\_province,country\_name

-> FROM locations

-> 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 last\_name,job\_id,employees.department\_id,department\_name

-> FROM employees

-> JOIN departments

-> ON employees.department\_id=departments.department\_id

-> JOIN locations ON locations.location\_id=departments.location\_id

-> WHERE locations.city='Toronto';

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

King.

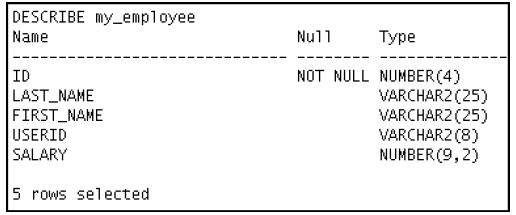


Ans: SELECT last\_name,salary

-> 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) AUTO\_INCREMENT PRIMARY KEY,

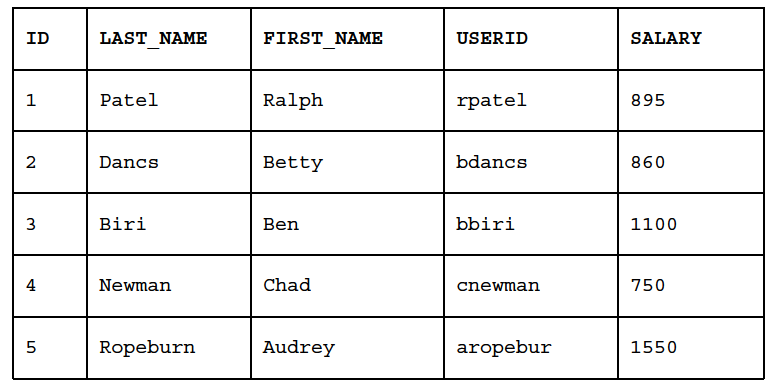
-> LAST\_NAME VARCHAR(25),

-> FIRST\_NAME VARCHAR(25),

-> USERID VARCHAR(8),

-> SALARY DECIMAL(9,2));

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



Ans: INSERT INTO my\_employee values (1,'patel','Ralph','rpatel',895),

-> (2,'Dancs','Betty','bdancs',860),

-> (3,'Biri','Ben','bbiri',1100),

-> (4,'Newman','Chad','cnewman',750),

-> (5,'Ropeburn','Audery','aropebur',1550);

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

Anss: 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: start transaction;

savepoint id;

rollback to savepoint id;(Verification)

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:1) START TRANSACTION;

2) DELETE FROM my\_employee;

3) SELECT \* from my\_employee;

Empty set (0.00 sec)

4) ROLLBACK;

5) SELECT \* from my\_employee; (Verification)

12) Make the data addition permanent.

Ans: INSERT INTO my\_employee values (6,'Dummy','Value','dumval',1000);

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.

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

Ans: 1)CREATE VIEW EMPLOYEE\_VU AS SELECT employee\_id,last\_name AS EMPLOYEE,department\_id from employees;

2) SELECT \* FROM EMPLOYEE\_VU;