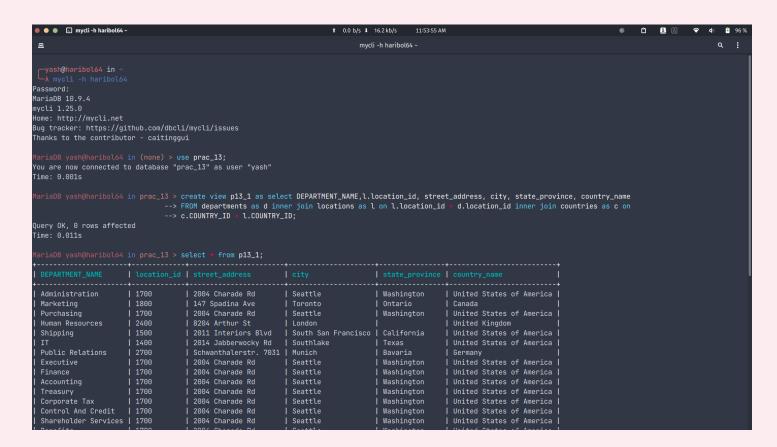
Institute of computer technology Ganpat university B.tech. CSE (CBA/BDA/CS)

(2CSE301) DATABASE MANAGEMENT SYSTEM

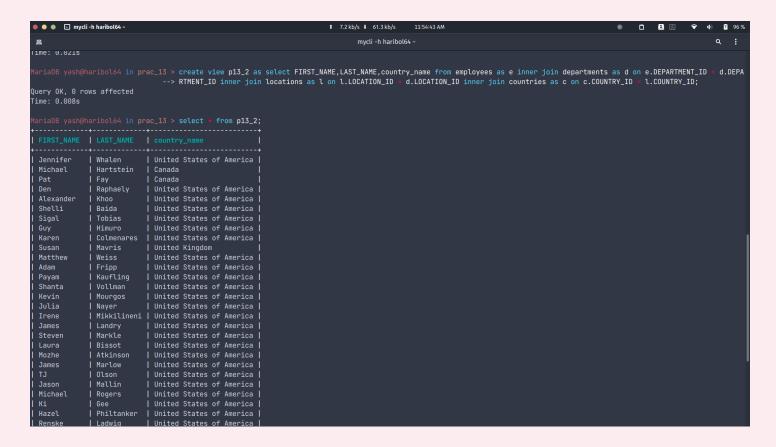
PRACTICAL 13 (View)

Problems, Respected Queries and Outputs:

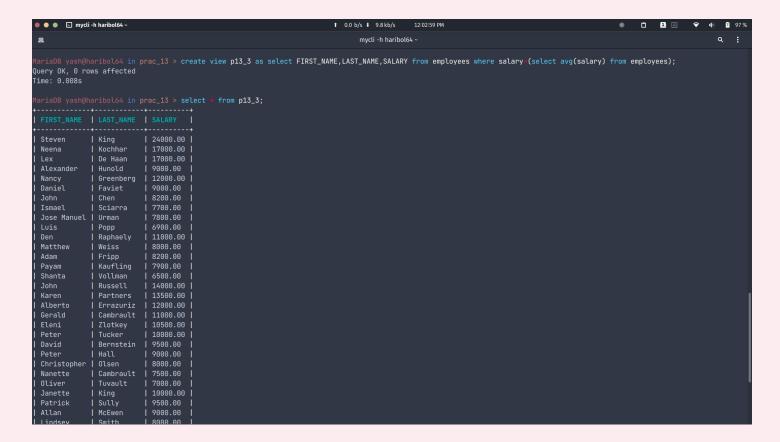
1. Create a view that contains the full addresses (department_name, location_id, street_address, city, state_province, country_name) of all the departments



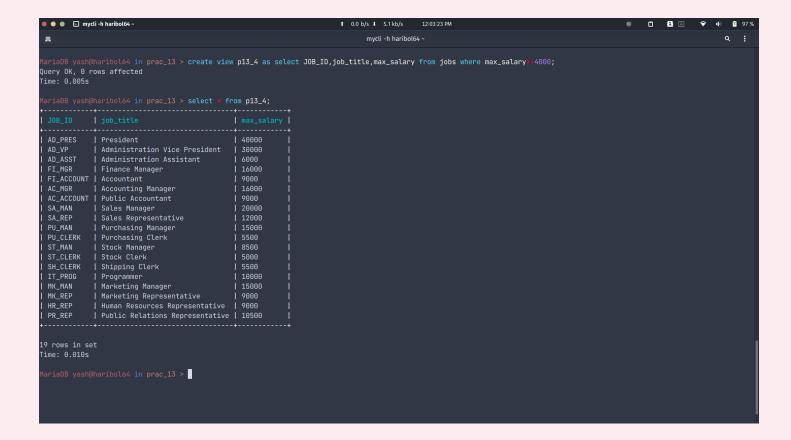
2. Create a view that contains the full name (e.g. Steven King) of all employees along with the country in which they are working



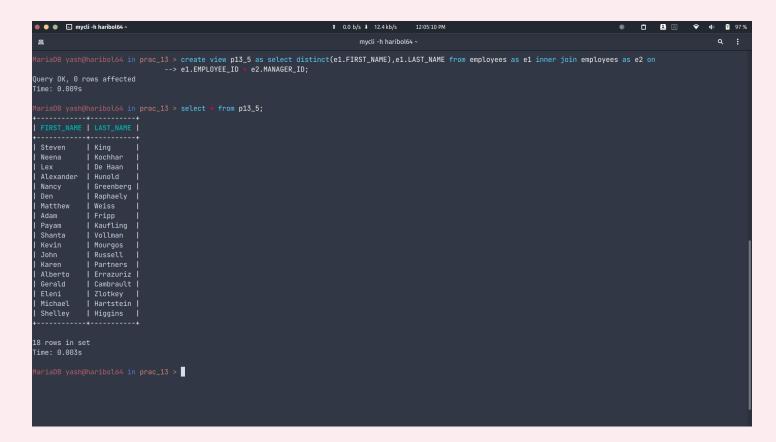
3. Create a view to find the name (first_name, last_name) and salary of the employees whose salary is greater than the average salary.



4. Create a view to get the job_ID, JOB_title and maximum salary of the employees where the maximum salary is greater than or equal to \$4000.



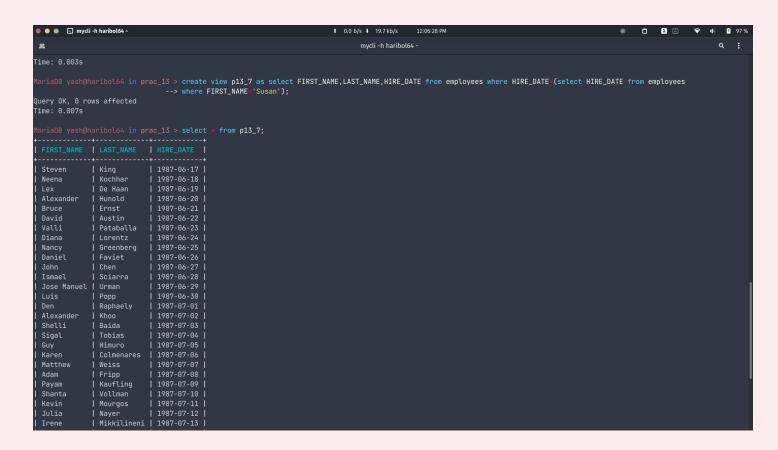
5. Create a view that displays the first_name and last_name of employees who are managers.



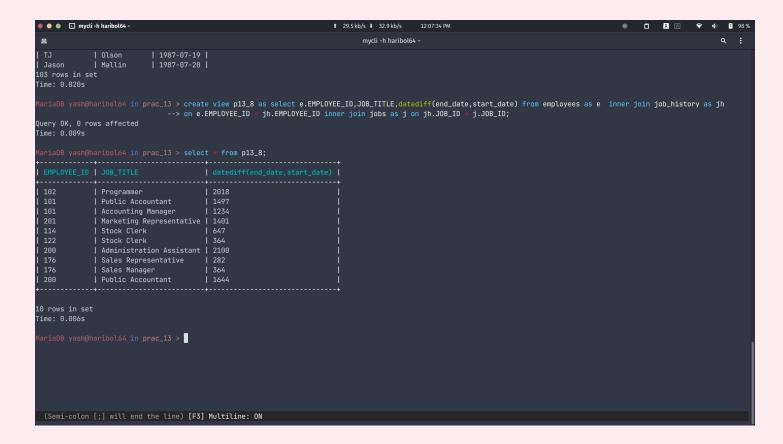
6. Create a view to list the department ID, department_name and city of all the departments where no employee is working.

```
↑ 0.0 b/s ↓ 11.5 kb/s 12:05:56 PM
                                                                                                                                                 📋 🗓 🗚 🗢 🕩 🕯 97%
John
            | Russell
| Karen
            | Partners
| Gerald
| Eleni
           | Hartstein |
| Higgins |
 Michael
| Shelley
18 rows in set
Time: 0.003s
 ariaDB yash@haribol64 in prac_13 > create view p13_6 as select d.DEPARTMENT_ID,d.DEPARTMENT_NAME,city from departments as d inner join employees as e on
                               --> d.MANAGER_ID = e.MANAGER_ID inner join locations as l on l.LOCATION_ID = d.LOCATION_ID where e.department_id not in --> (select department_id from employees);
Query OK, O rows affected
 lariaDB yash@haribol64 in prac_13 > select * from p13_6;
 .-----
 MariaDB yash@haribol64 in prac_13 >
 (Semi-colon [;] will end the line) [F3] Multiline: ON
```

7. Create a view to list the full names and hire_date of the employees who were hired before Susan Mavris.



8. Create a view to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 80 and 90.



9. Create a view to display the department names in which the difference between minimum and maximum salary is more than 4000

```
● ● ■ 🕟 mycli -h haribol64 ~
                                                                                        1 0.0 b/s ↓ 7.6 kb/s 12:08:08 PM
                                                                                                                                                                                                ♥ 40 6 98%
                                                                                                                                                                                 î 1 A
                 | Marketing Representative | 1401
| 114
| 122
                I Stock Clerk
                | Administration Assistant | 2100
                 | Sales Representative
                | Public Accountant
                                                 1 1644
Time: 0.006s
  ariaDB yash@haribol64 in prac_13 > create view p13_9 as select department_name from departments as d inner join job_history as jh on d.DEPARTMENT_ID = jh.DEPARTMENT_ID = jh.JOB_ID where MAX_SALARY-MIN_SALARY >= 4000 and (d.DEPARTMENT_ID=80 or d.DEPARTMENT_ID=90);
Query OK, O rows affected
Time: 0.009s
  ariaDB yash@haribol64 in prac_13 > select * from p13_9;
| Sales
| Sales
| Executive
 ariaDB yash@haribol64 in prac_13 >
  (Semi-colon [;] will end the line) [F3] Multiline: ON
```

10. For all above created views, Update at least last record from each and verify whether the update gets reflected in the base table(s) or not

```
mydish hambold4 in prac_13 > create view p13.9 as salect department, name from departments as d inner join job.history as jh on d.DEPARTMENT_ID = jh.DEPARTMENT_ID = -> inner join jobs as j on j.JOB_ID = jh.JOB_ID shere MAX_SALARY MIR_SALARY = 4000 and (d.DEPARTMENT_ID 00);

Time: 0.007s

I department_mame |
I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales | I Sales
```