Information System Management Lab
BCOM 307

Assignment #25

Submitted by:

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Section: B.Com 5A
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Department of Commerce

Academic Year: 2020-21

Semester: Vth

Assignment No. 25
Unit No:

Course/Subject Code: BCOM 307 **Subject Title: Information System Management Lab**
Issue Date **Last Date of Submission:**

Instructions for Students:

1. **All Questions are Compulsory.**
2. The student should attach proper cover page for each assignment clearly mentioning theAssignment No.
3. Each assignment should be prepared by the student individually with proper explaination andscreenshots.
4. A4 size ruled sheets should be used for the assignment.
5. Assignment pages should be serially numbered at the bottom of page.

During online education mode, upload scanned copy of the complete assignment including cover page latest by due date.

Question No.	Question	CO No.
1	Display first 3 characters from the employee name column of the employees table.	**CO2, CO3, CO4, CO5**
2	Display all the distinct values of the column 'location'.	
3	Display the values of employee name column after removing spaces from the right.	
4	Display the values of employee name column after removing spaces from the left.	
5	Display the values of employee name column after replacing the letter 'A' with 'a'.	
6	Display all columns of the employee table in ascending order of employee names.	
7	Display all columns of the employee table in ascending order of employee names and descending order of department number.	

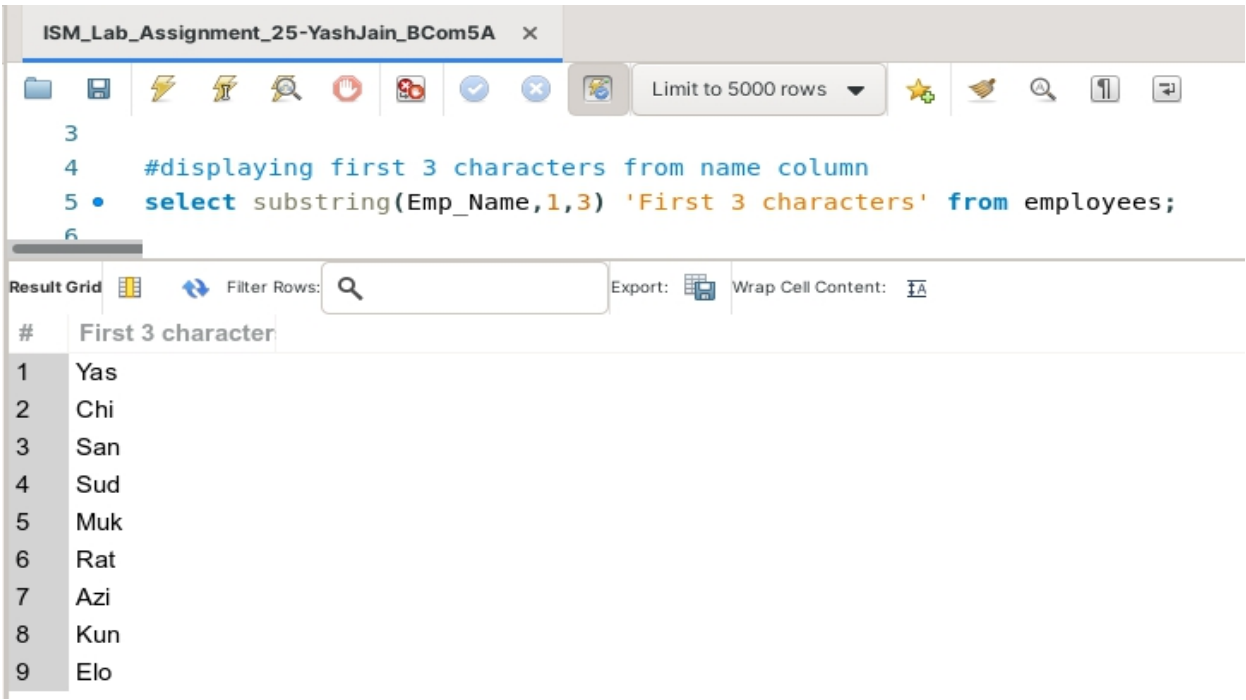
8	Show all employee names except Elon Musk and Ratan Tata.	**CO2, CO3, CO4, CO5**
9	Display the values where employee name ends with 'a'.	
10	Display the employee records of employees hired in April 2013.	

ASSIGNMENT 25 - STRING FUNCTIONS

Task 1 : Display first 3 characters from the employee name column of the employees table.

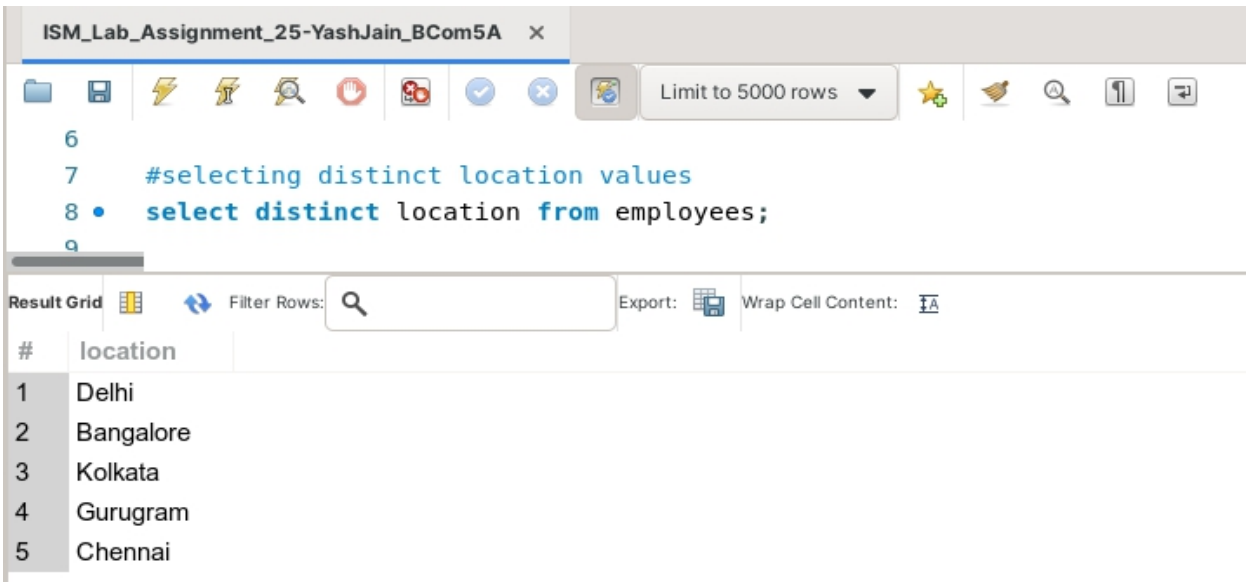
This task can be completed using the SQL String Function **SUBSTRING( ).** This function extracts some characters from a string, specified as one of its parameters, as follows :

```
Select SUBSTRING (string, start, length) from <tablename>;
```



Task 2: Display all the distinct values of the column 'location'.

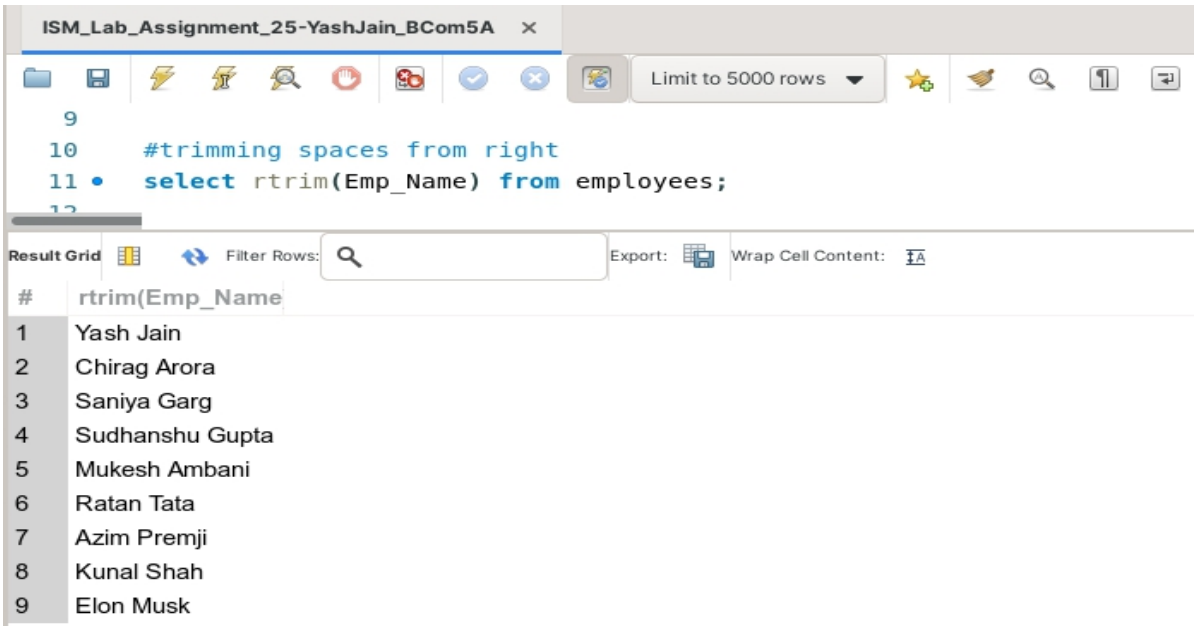
This task can be completed using the **DISTINCT** Keyword.



Task 3: Display the values of employee name column after removing spaces from the right.

This task can be completed using the **RTRIM( )** Aggregate function. This function returns a string after eliminating trailing spaces from the string. We have to specify the string as its arguments as follows :

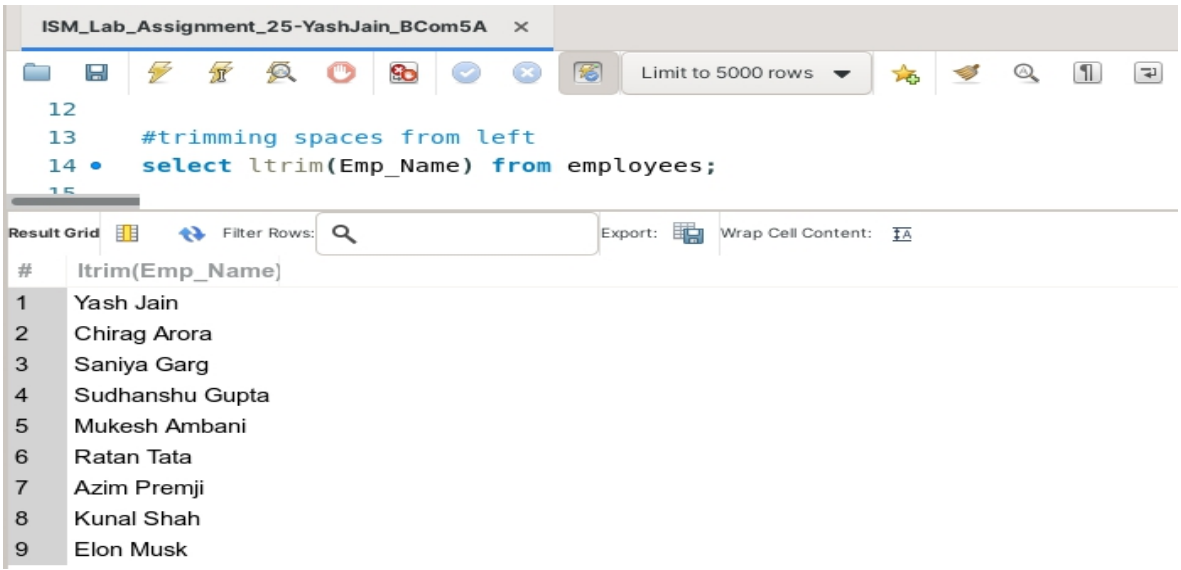
```
Select RTRIM (string)from <tablename> ;
```



Task 4: Display the values of employee name column after removing spaces from the left.

This task can be completed using the **LTRIM( )** Aggregate function. This function returns a string after eliminating leading spaces from the string. We have to specify the string as its arguments as follows :

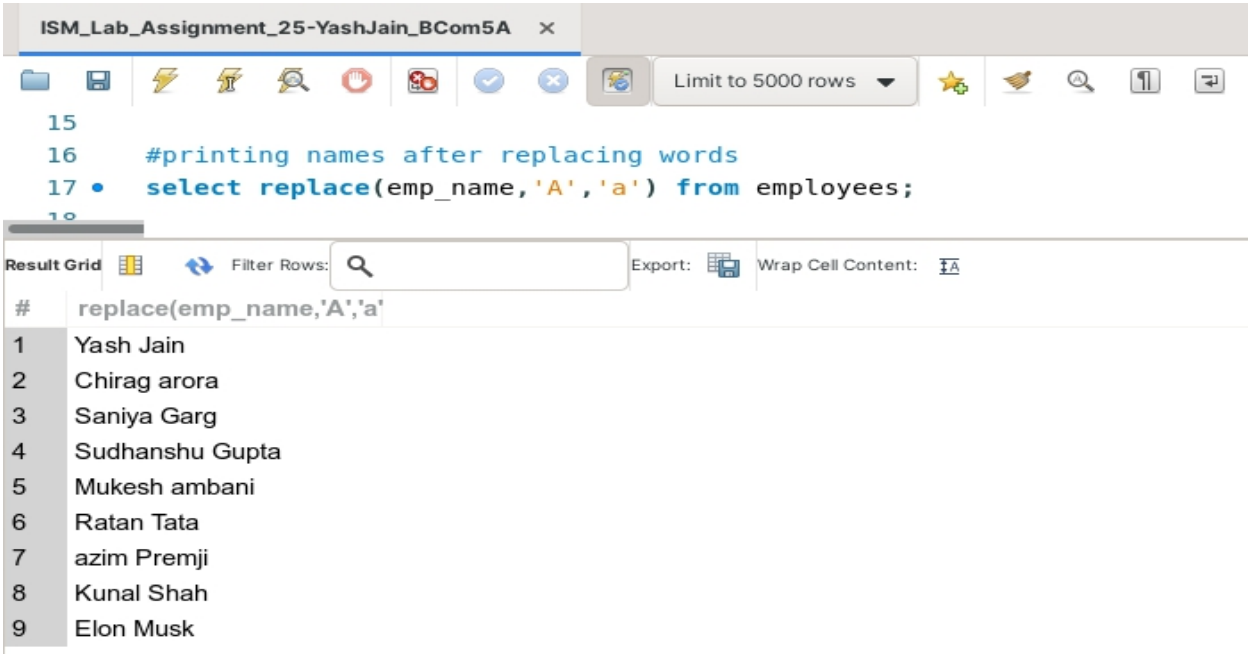
```
Select LTRIM (string)from <tablename> ;
```



Task 5: Display the values of employee name column after replacing the letter 'A' with 'a'.

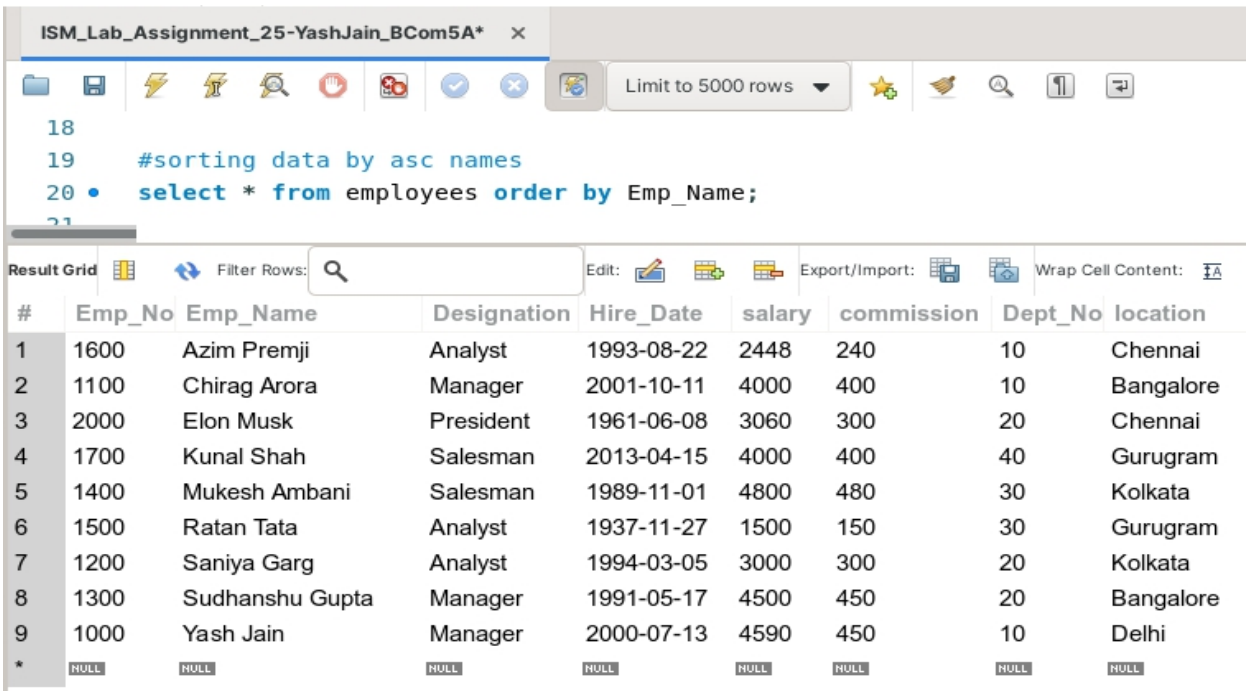
This task can be completed using the **REPLACE( )** Aggregate function. This function returns a string after replacing a character in the string with the one we specify in its arguments as follows ::

```
Select REPLACE (STRING,Old character,new character) from <table>;
```



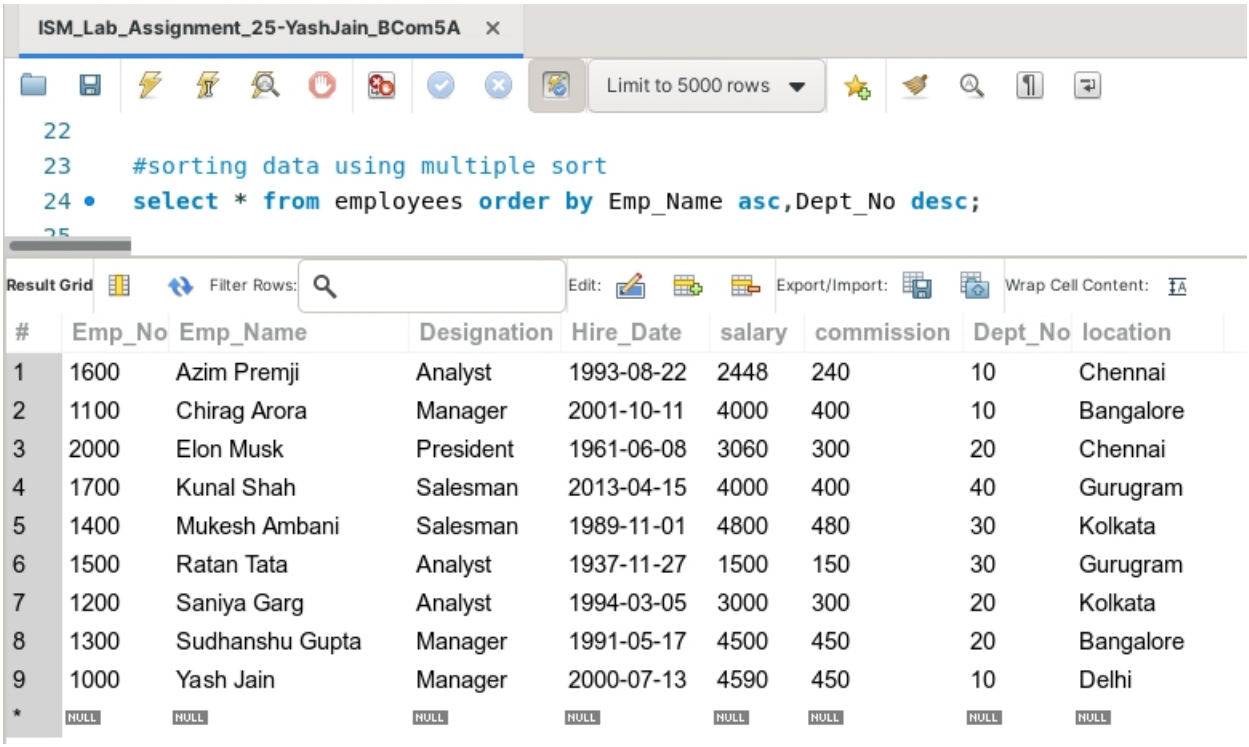
Task 6: Display all columns of the employee table in ascending order of employee names.

This task can be completed using the **ORDER BY** Clause**.**



Task 7: Display all columns of the employee table in ascending order of employee names and descending order of department number.

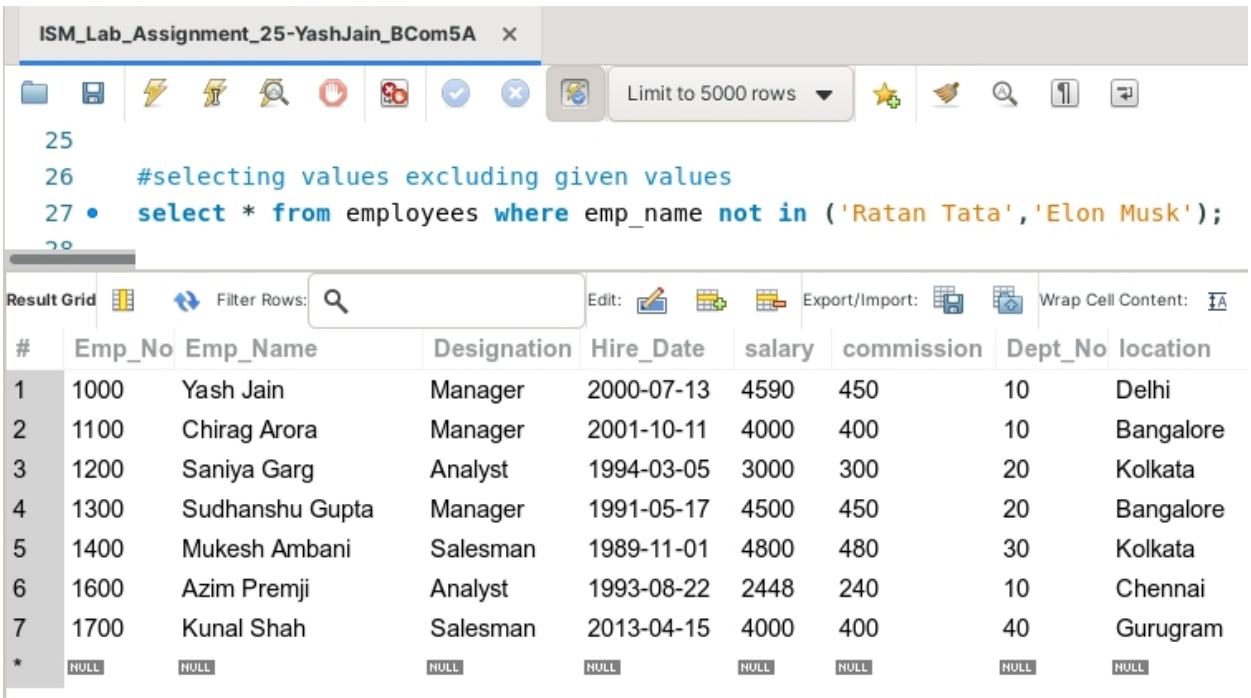
This task can be completed using the **ORDER BY** clause.



#	Emp_No	Emp_Name	Designation	Hire_Date	salary	commission	Dept_No	location
1	1600	Azim Premji	Analyst	1993-08-22	2448	240	10	Chennai
2	1100	Chirag Arora	Manager	2001-10-11	4000	400	10	Bangalore
3	2000	Elon Musk	President	1961-06-08	3060	300	20	Chennai
4	1700	Kunal Shah	Salesman	2013-04-15	4000	400	40	Gurugram
5	1400	Mukesh Ambani	Salesman	1989-11-01	4800	480	30	Kolkata
6	1500	Ratan Tata	Analyst	1937-11-27	1500	150	30	Gurugram
7	1200	Saniya Garg	Analyst	1994-03-05	3000	300	20	Kolkata
8	1300	Sudhanshu Gupta	Manager	1991-05-17	4500	450	20	Bangalore
9	1000	Yash Jain	Manager	2000-07-13	4590	450	10	Delhi
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Task 8: Show all employee names except Elon Musk and Ratan Tata.

This task can be completed using the **NOT IN** clause.



#	Emp_No	Emp_Name	Designation	Hire_Date	salary	commission	Dept_No	location
1	1000	Yash Jain	Manager	2000-07-13	4590	450	10	Delhi
2	1100	Chirag Arora	Manager	2001-10-11	4000	400	10	Bangalore
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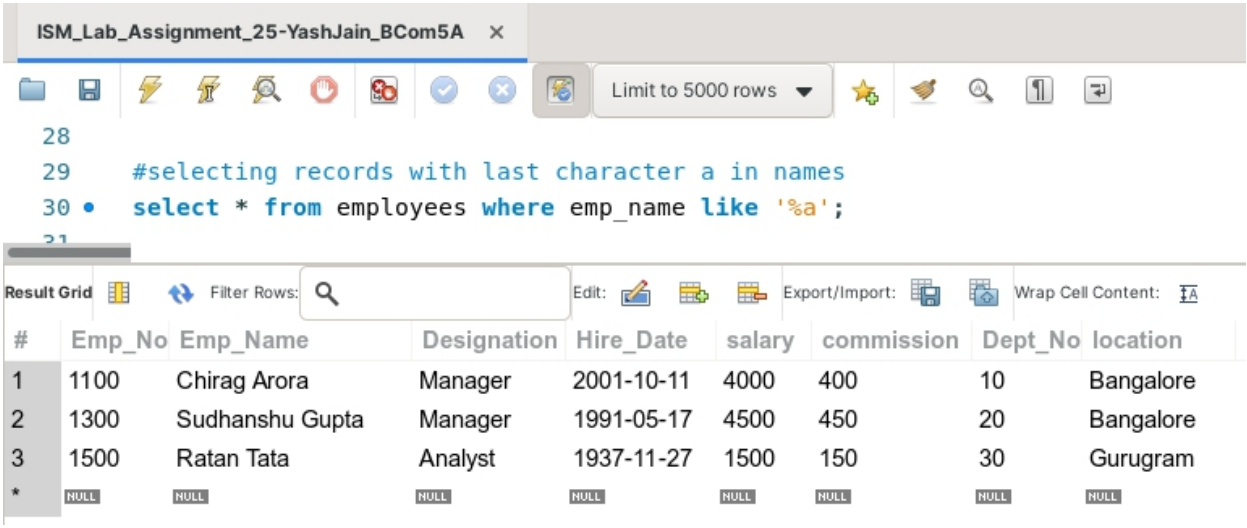
7	1700	Kunal Shah	Salesman	2013-04-15	4000	400	40	Gurugram
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Task 9: Display the values where employee name ends with 'a'.

This task can be completed using the **LIKE** predicate, along with the % (percentage) symbol**.**



Task 10: Display the employee records of employees hired in April 2013.

This task can be completed using the **BETWEEN** and **WHERE** Clauses.