20MCA134-ADVANCED DBMS LAB

LAB-QUESTIONS(Practice)

SUBMITTED BY,

VIVIN V. ABRAHAM

R MCA-2020-S2

ROLL NO: 42

SUBMITTED TO,

LISHA MISS

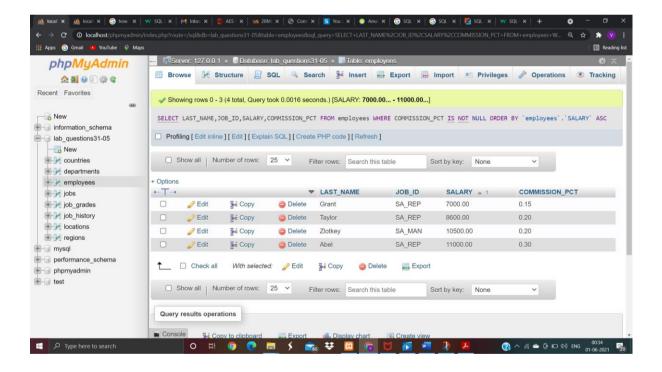
1) The HR department needs to find data for all of the clerks who were hired after the year 1997.

SELECT * FROM employees WHERE HIRE DATE>'1997-12-31' AND JOB ID='ST CLERK'



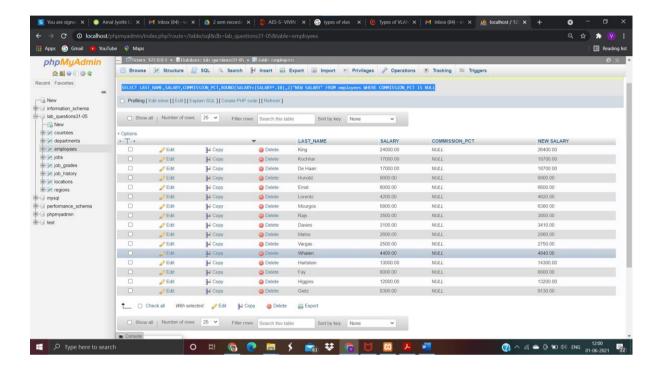
2)The HR department needs a report of employees who earn commission. Show the last name, job, salary, and commission of those employees. Sort the data by salary in descending order.

SELECT LAST_NAME, JOB_ID, SALARY, COMMISSION_PCT FROM employees WHERE COMMISSION PCT IS NOT NULL ORDER BY SALARY DESC



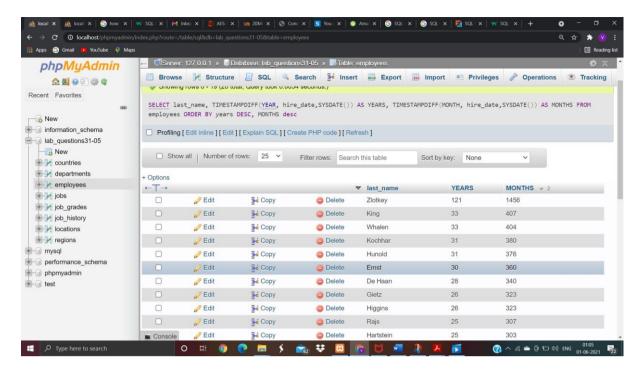
3) For budgeting purposes, the HR department needs a report on projected raises. The report should display those employees who have no commission, but who have a 10% raise in salary (round off the salaries).

SELECT LAST_NAME, SALARY, COMMISSION_PCT, ROUND (SALARY+ (SALARY*.10), 2) "NEW SALARY" FROM employees WHERE COMMISSION PCT IS NULL.



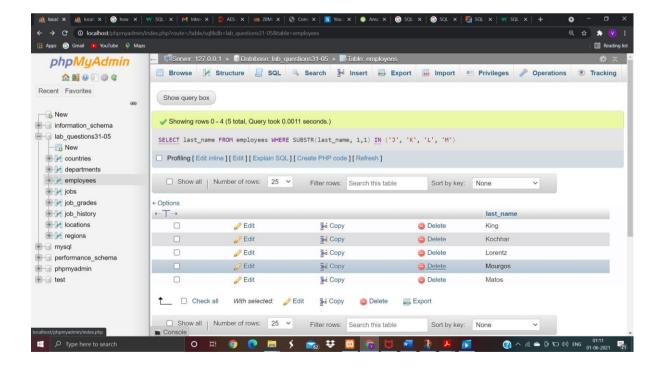
4)For budgeting purposes, the HR department needs a report on projected raises. The report should display those employees who do not get a commission but who have a 10% raise in salary (round off the salaries).

SELECT last_name, TIMESTAMPDIFF(YEAR, hire_date,SYSDATE()) AS YEARS, TIMEST
AMPDIFF(MONTH, hire_date,SYSDATE()) AS MONTHS FROM employees ORDER BY years
DESC, MONTHS desc



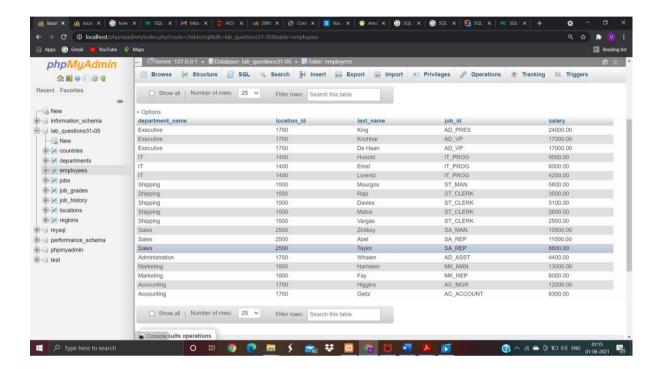
5)Show those employees who have a last name starting with the letters "J," "K," "L," or "M."

SELECT last_name FROM employees WHERE SUBSTR(last_name, 1,1) IN ('J', 'K',
'L', 'M')



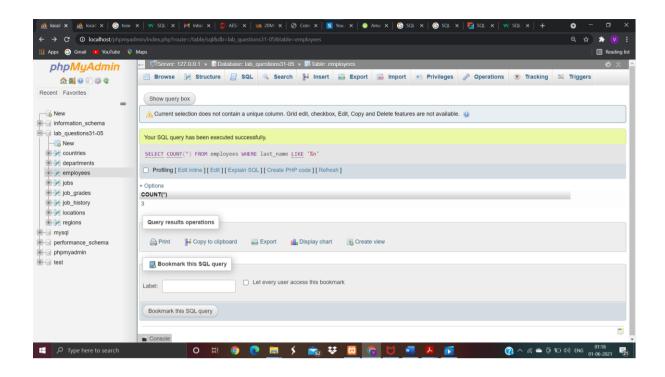
- 6) Create a report that displays the department name, location ID, name, job title, and salary of those employees who work in a specific location. Prompt the user for the location.
- a) Enter 1800 for location id when prompted.

SELECT d.department_name, d.location_id, e.last_name, e.job_id, e.salary FR
OM employees e, departments d WHERE e.department_id = d.department_id AND d
.location_id = location_id



7. Find the number of employees who have a last name that ends with the letter "n." Create two possible solutions.

SELECT COUNT (*) FROM employees WHERE last name LIKE '%n'



SELECT COUNT(*) FROM employees WHERE SUBSTR(last name, -1) = 'n'

