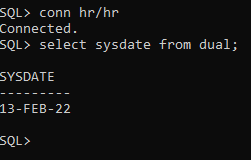
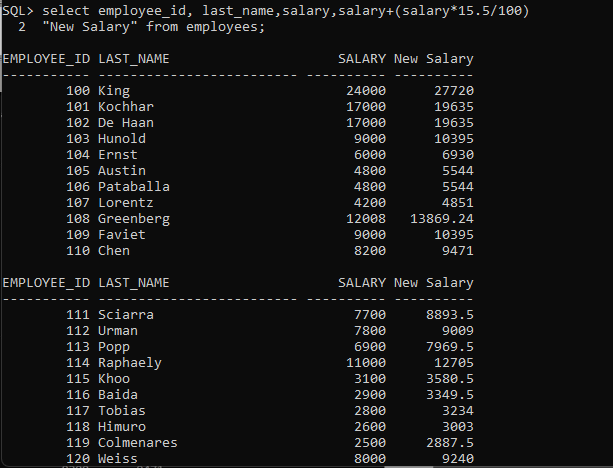
Exercise Chapter 3

1. Write a query to display the system date. Label the column as Date.

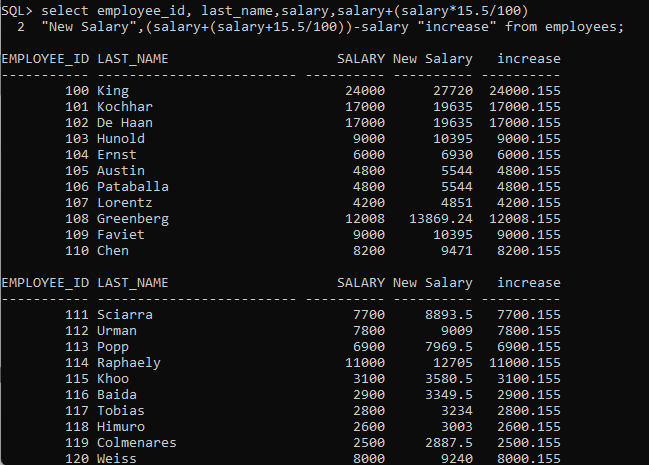


**Note:** If your database is remotely located in a different time zone, the output will be the date for the operating system on which the database resides.

1. The HR department needs a report to display the employee number, last name, salary, and salary increased by 15.5% (expressed as a whole number) for each employee. Label the column New Salary. Save your SQL statement in a file named lab\_03\_02.sql.
2. Run your query in the lab\_03\_02.sql file.

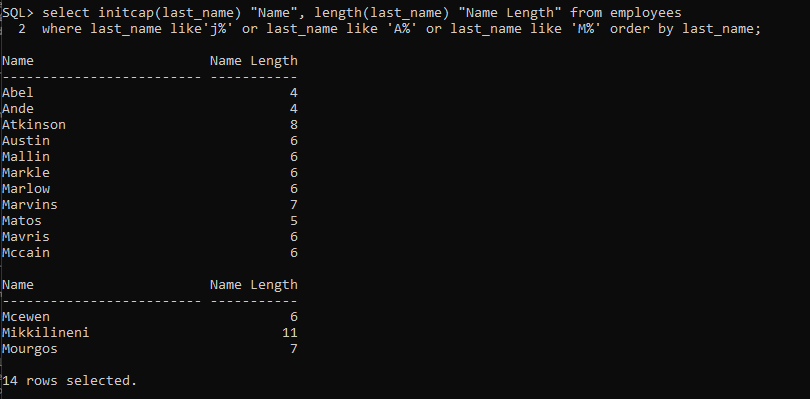
****

1. Modify your query lab\_03\_02.sql to add a column that subtracts the old salary from the new salary. Label the column Increase. Save the contents of the file as lab\_03\_04.sql. Run the revised query.

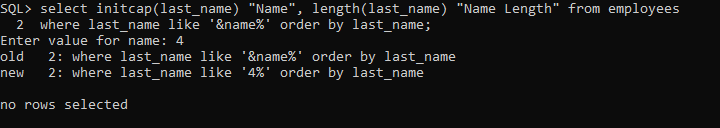


1. Write a query that displays the last name (with the first letter in uppercase and all the other letters in lowercase) and the length of the last name for all employees whose name starts with the letters “J,” “A,” or “M.” Give each column an appropriate label. Sort the results by the employees’ last names.

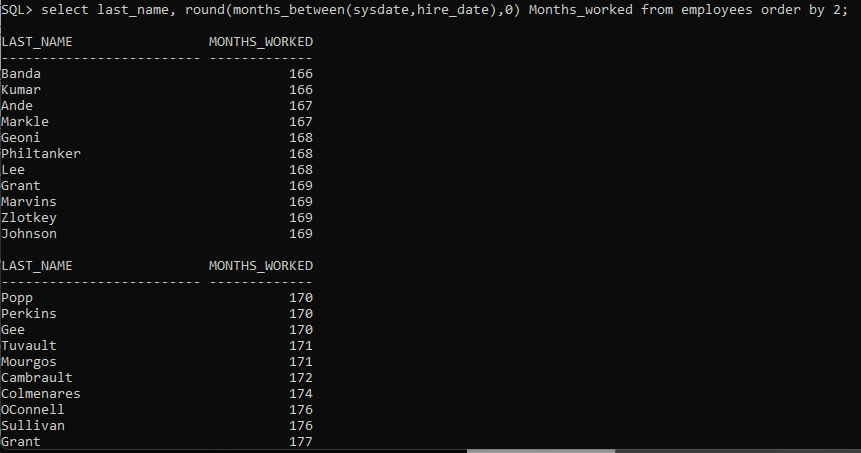
Rewrite the query so that the user is prompted to enter a letter that the last name starts with. For example, if the user enters “H” (capitalized) when prompted for a letter, then the output should show all employees whose last name starts with the letter “H.”



Modify the query such that the case of the entered letter does not affect the output. The entered letter must be capitalized before being processed by the SELECT query.



1. The HR department wants to find the duration of employment for each employee. For each employee, display the last name and calculate the number of months between today and the date on which the employee was hired. Label the column as MONTHS\_WORKED. Order your results by the number of months employed. Round the number of months up to the closest whole number.



**Note:** Because this query depends on the date when it was executed, the values in the MONTHS\_WORKED column will differ for you.

1. Create a query to display the last name and salary for all employees. Format the salary to be 15 characters long, left-padded with the $ symbol. Label the column as SALARY.