Analysing Employee Data

In this assignment, you'll be taking on the role of a Data Analyst and performing some simple analysis on the Employees Sample Dataset to address some questions from Management.

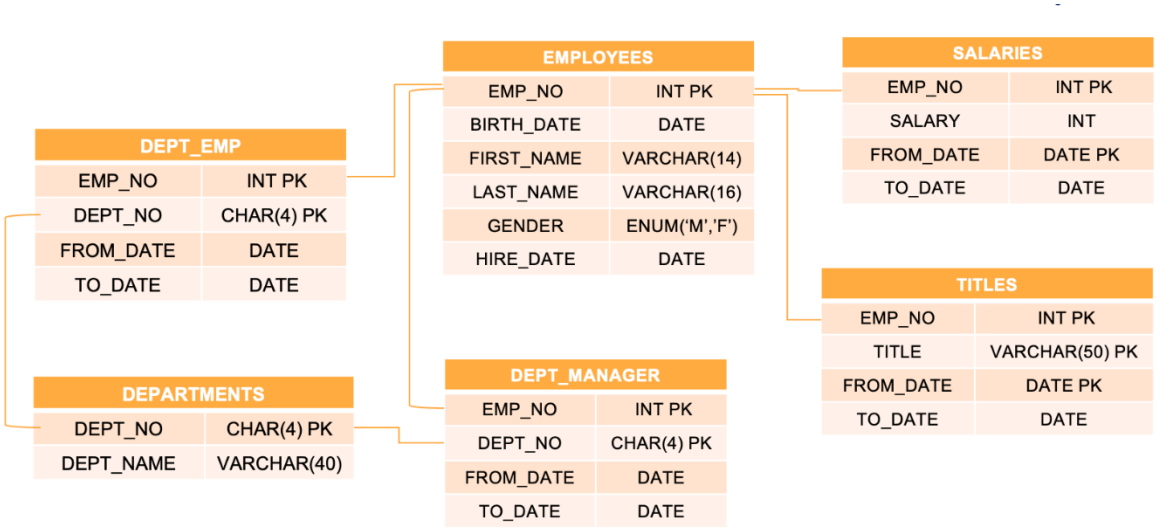
Note that this dataset will vary from the one I have been using for my video demonstration. This dataset has been limited to show only those Employees in Managerial positions.

Key Skills

The intent of this exercise is to give you a thorough workout on the following SQL features:

a. Querying Data
b. SQL Clauses and Operations
c. Filtering Records
d. SQL Functions

Database Schema



Management Queries

The following questions have been asked by Management in the latest business performance review.

You have to address the below questions in chronological order.

Based on the Database Schema diagram above it is up to you to determine which table should be queried.

Type your response in the **Answer** column and upload the file on PRISM platform for verification.

Note: *You must open this PDF in Adobe Reader to type your answer. You cannot type when you open this PDF in web browser.*

#	Management Request	Hint	Answer
1	Management would like a report showing the DEPARTMENTS in the business. This should include the DEPARTMENT NUMBER and NAME only. *Use the schema prefix in your table reference e.g. EMPLOYEES.SALARIES*		SELECT * FROM EMPLOYEES.DEPARTMENTS
2	Management is interested in the Finance department and would like to see the Employee Numbers for all Managers in the Finance department. Perform a Query that returns the Employee Number only for managers that are in the Finance department – this should include all managers past and present. *Use the schema prefix in your table reference e.g. EMPLOYEES.SALARIES*	Use the WHERE clause with the department code for Finance in the search condition in the target table	SELECT M.EMP_NO FROM EMPLOYESS.DEPT_MANAGER M JOIN EMPLOYEES.DEPARTMENT D ON D.DEPT_NO = M.DEPT_NO WHERE D.DEPT_NAME = 'Finance' # dept_no for finance not given in the question so had to join on department number and filter on department name.
3	Based on your result from the previous question management are interested in Employee 110114. They would like to know the name and gender of this employee. Perform a query that returns the first name, last name	You will need to use the WHERE clause	SELECT FIRST_NAME, LAST_NAME, GENDER FROM EMPLOYEES.EMPLOYEES WHERE EMP_NO = 110114

	and gender only of this employee. *Use the schema prefix in your table reference e.g. EMPLOYEES.SALARIES*		
4	Management would like to see a list of job titles that is currently and have previously been held by Employee 110114. Perform a query that returns a list of the job titles only for this employee. *Use the schema prefix in your table reference e.g. EMPLOYEES.SALARIES*	Use the WHERE clause	SELECT TITLE FROM EMPLOYEES.TITLES WHERE EMP_NO = 110114
5	Management is currently reviewing their salary policies and would like to understand the maximum amount they have paid an employee and the minimum amount they have ever paid an employee. Perform a query that returns the highest and lowest salaries from the salaries table. *Use the schema prefix in your table reference e.g. EMPLOYEES.SALARIES*	You will need to use the MAX and MIN functions	SELECT MAX(SALARY), MIN (SALARY) FROM EMPLOYEES.SALARIES