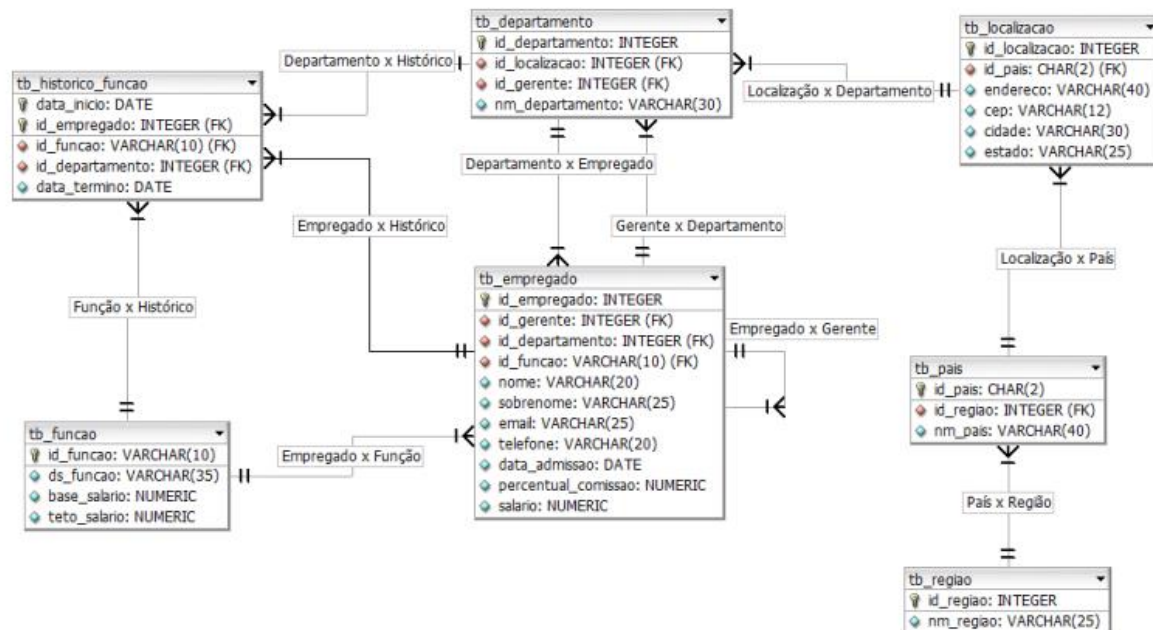


Based on the relational database schema shown in Figure 1 below, answer the questions below.



1. Prepare a query to display the employee's name, their corresponding job description, and the hire date of employees hired between February 20, 1987 and May 1, 1989. Sort the resulting query in ascending order based on the hire date (positional ordering).
2. Prepare a query to display the employee's name in uppercase letters, along with the length of the last name (number of characters), the department name, and the country name, for all employees whose first name begins with the letters B, L, or A. Provide an appropriate label for each column.
3. Prepare a query to display the employee's name, the department name, and its corresponding location (city and state) for all employees who receive a commission.
4. Perform a self join to retrieve the name of each employee along with the name of their respective manager. Example: João works for Tiago. All employees must be retrieved, without exception. For employees who do NOT have an assigned manager, use the appropriate Oracle function to replace the NULL value of the manager's name with the string "the shareholders". Sort the resulting relation in descending order by the MANAGER name.
5. Create a stored procedure using PL/SQL that receives 1 parameter of type integer, representing the employee\_id. Name this stored procedure sp\_get\_emp(p\_id integer). The stored procedure must return the full name along

with the job description of the employee corresponding to the ID provided as the input parameter (IN). If the user provides a non-existent employee ID, display an informative message.

**Exemplos:**

```
SET serveroutput ON
```

```
BEGIN
```

```
    sp_get_emp(200); -- invocando o stored procedure
```

```
END;
```

Saída do stored procedure: **Nome:** Jennifer Whalen **Função:** Assistente Administrativo

```
SET serveroutput ON
```

```
BEGIN
```

```
    sp_get_emp(999); -- invocando o stored procedure
```

```
END;
```

Saída do stored procedure: Empregado **999** não localizado!!!