**SQL\_ASSIGNMENT\_2**

**Dataset: Employee Information**

You have been given a dataset containing information about employees in a company. The dataset includes the following columns:

* employee\_id (integer): Unique identifier for each employee.
* first\_name (string): First name of the employee.
* last\_name (string): Last name of the employee.
* department (string): The department in which the employee works.
* hire\_date (date): The date on which the employee was hired.
* salary (integer): The salary of the employee.

**Table Structure:**

**Create a table named employees with the following structure**:

CREATE OR REPLACE TABLE EMPLOYEES

(

EMPLOYEE\_ID INT PRIMARY KEY,

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

DEPARTMENT VARCHAR(50),

HIRE\_DATE DATE,

SALARY INT

);

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**Insert Data:**

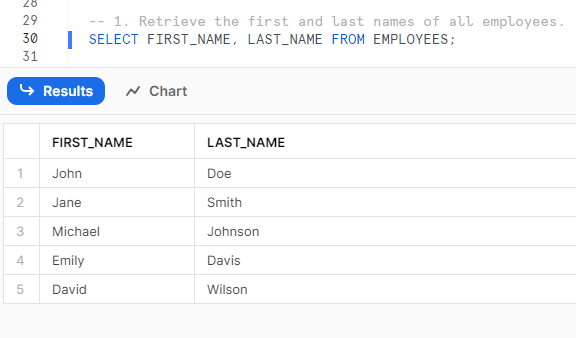
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**Write SQL queries to answer the following questions using the employees table:**

1. **Retrieve the first and last names of all employees.**

SELECT FIRST\_NAME, LAST\_NAME FROM EMPLOYEES;



1. **Find the total number of employees in the company.**

SELECT COUNT(\*) AS TOT\_EMPLOYEE FROM EMPLOYEES;

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1. **Get the names of employees who work in the IT department.**

SELECT FIRST\_NAME || ' '|| LAST\_NAME AS Emp\_Name, DEPARTMENT

FROM EMPLOYEES

WHERE DEPARTMENT = 'IT';

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1. **Calculate the average salary of all employees.**

SELECT ROUND(AVG(SALARY),2) AS Avg\_Salary FROM EMPLOYEES;

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1. **Find the employee with the highest salary.**

SELECT \* FROM EMPLOYEES

ORDER BY SALARY DESC

LIMIT 1;

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1. **List the employees hired before January 1, 2021, along with their hire dates.**

SELECT EMPLOYEE\_ID, FIRST\_NAME || ' '|| LAST\_NAME AS Emp\_Name, HIRE\_DATE

FROM EMPLOYEES

WHERE HIRE\_DATE < '2021-01-01';

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**\*\*\*\*\*\*\*\*\*\*\*\*\*\* THANK YOU \*\*\*\*\*\*\*\*\*\*\*\*\*\*\***