SQL ASSIGNMENT 2

USE DATABASE SQL;

USE SCHEMA PUBLIC;

CREATE TABLE Employees

(

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

department VARCHAR(50),

hire\_date DATE,

salary INT

);

INSERT INTO Employees (employee\_id, first\_name, last\_name, department, hire\_date, salary)

VALUES

(1, 'John', 'Doe', 'HR', '2020-01-15', 50000),

(2, 'Jane', 'Smith', 'IT', '2019-04-20', 60000),

(3, 'Michael', 'Johnson', 'Finance', '2021-08-10', 55000),

(4, 'Emily', 'Davis', 'Marketing', '2018-02-05', 52000),

(5, 'David', 'Wilson', 'IT', '2022-03-30', 62000);

select \* from EMPLOYEES;



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

select first\_name, last\_name from employees;

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--2. Find the total number of employees in the company

SELECT COUNT(EMPLOYEE\_ID) AS TOT\_NUM\_OF\_EMPLOYEES FROM EMPLOYEES;

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--3. Get the names of employees who work in the IT department

SELECT FIRST\_NAME|| ' ' ||LAST\_NAME AS EMP\_FULLNAME, DEPARTMENT

FROM EMPLOYEES

WHERE DEPARTMENT = 'IT';

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--4. Calculate the average salary of all employees.

SELECT ROUND(AVG(SALARY),2) AS AVERAGE\_SALARY\_ALL\_EMP

FROM EMPLOYEES;

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--5. Find the employee with the highest salary.

SELECT EMPLOYEE\_ID,FIRST\_NAME|| ' ' || LAST\_NAME AS EMP\_FULLNAME, SALARY

FROM EMPLOYEES

WHERE SALARY =

(SELECT MAX(SALARY) AS HIGHEST\_SAL

FROM EMPLOYEES);

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--6. List the employees hired before January 1, 2021, along with their hire dates

SELECT EMPLOYEE\_ID,FIRST\_NAME|| ' ' || LAST\_NAME AS EMP\_FULLNAME,HIRE\_DATE

FROM EMPLOYEES

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

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