SQL ASSIGNMENT 2

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

CREATE OR REPLACE TABLE vk_employees (

 employee_id INT PRIMARY KEY,

 first_name VARCHAR(50),

 last_name VARCHAR(50),

 department VARCHAR(50),

 hire_date DATE,

 salary INT

);

INSERT INTO vk_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 vk_employees;

----------------IN THIS I HAVE LOADED THE DATA--------------

1. Retrieve the first and last names of all employees

SELECT CONCAT(FIRST_NAME,' ' ,LAST_NAME) AS
EMP_FIRST_LAST_NAME

FROM vk_employees;

	EMP_FIRST_LAST_NAME	...
1	John Doe	
2	Jane Smith	
3	Michael Johnson	
4	Emily Davis	
5	David Wilson	

2. Find the total number of employees in the company

SELECT COUNT(EMPLOYEE_ID) AS TOTL_NO_OF_EMP

FROM vk_employees;

	...	TOTL_NO_OF_EMP
1		5

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

```sql
SELECT CONCAT(FIRST_NAME,' ' ,LAST_NAME) AS   NAME_OF_EMP

FROM vk_employees

WHERE DEPARTMENT = 'IT' ;
```

	NAME_OF_EMP	...
1	Jane Smith	
2	David Wilson	

4. Calculate the average salary of all employees.

```sql
SELECT ROUND(AVG(salary),2)AS Avg_Salary_of_all_emp

FROM  vk_employees;
```

...	AVG_SALARY_OF_ALL_EMP
1	55800.00

5 Find the employee with the highest salary.

select EMPLOYEE_ID,

MAX(SALARY) AS HIGHEST_SALARY

FROM vk_employees

GROUP BY 1

ORDER BY 1 DESC

LIMIT 1;

↳ Results   ⌁ Chart

	EMPLOYEE_ID	⋯	HIGHEST_SALARY
1	5		62000

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

SELECT HIRE_DATE,CONCAT(FIRST_NAME,' ' ,LAST_NAME) AS NAME_OF_EMP

FROM vk_employees

WHERE HIRE_DATE <'2021-01-01';

↳ Results   ⌁ Chart

	⋯	HIRE_DATE	NAME_OF_EMP
1		2020-01-15	John Doe
2		2019-04-20	Jane Smith
3		2018-02-05	Emily Davis