

# SQL ASSIGNMENT – 2

--Creating a table named employees in the Demo Database using the following SQL code .



-----CREATING EMPLOYEES TABLE-----

```
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 );
```

-----Inserting data into the employees table

Then the table be like



	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT	...	HIRE_DATE	SALARY
1	1	John	Doe	HR		2020-01-15	50,000
2	2	Jane	Smith	IT		2019-04-20	60,000
3	4	Emily	Davis	Marketing		2018-02-05	52,000

-----Below are the question answer with their results of the SQL Queries.

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

```
SELECT FIRST_NAME, LAST_NAME  
FROM EMPLOYEES;
```

Results:-

	FIRST_NAME	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 TOTAL_NO_EMPLOYEES FROM  
EMPLOYEES;
```

Results:-

	...	TOTAL_NO_EMPLOYEES
1		5

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

```
SELECT (FIRST_NAME || ' ' || LAST_NAME) AS EMPLOYEE_NAME  
FROM EMPLOYEES WHERE DEPARTMENT = 'IT' ;
```

Results:-

	EMPLOYEE_NAME	...
1	Jane Smith	
2	David Wilson	

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

```
SELECT ROUND(AVG(SALARY),2) AS AVG_SALARY_OF_EMPLOYEE  
FROM EMPLOYEES;
```

Results:-

	...	AVG_SALARY_OF_EMPLOYEE
1		55800.00

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

```
SELECT *  
FROM EMPLOYEES  
WHERE SALARY IN (SELECT MAX(SALARY) AS MAX_SALARY FROM  
EMPLOYEES);
```

Results:-

	...	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT	HIRE_DATE	SALARY
1		5	David	Wilson	IT	2022-03-30	62,000

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

```
SELECT * FROM EMPLOYEES WHERE HIRE_DATE < '2021-01-01';
```

Results:-

	...	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT	HIRE_DATE	SALARY
1		1	John	Doe	HR	2020-01-15	50,000
2		2	Jane	Smith	IT	2019-04-20	60,000
3		4	Emily	Davis	Marketing	2018-02-05	52,000