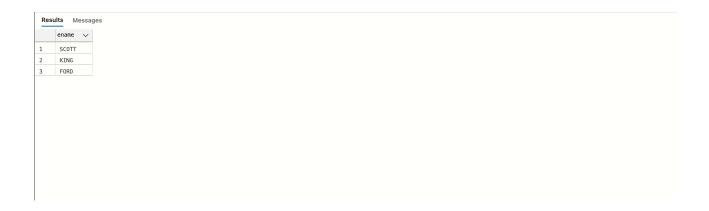
SQL CLASS ASSIGNMENT- V

Subqueries and corelated sub queries

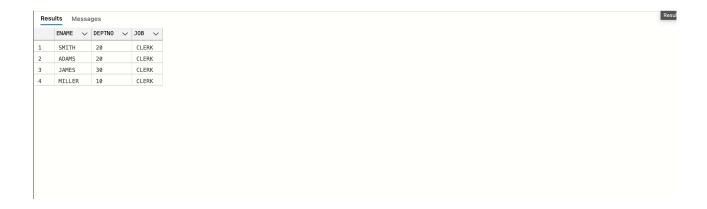
-- 1. Write a SQL query to find those employees who receive a higher salary than the employee with ID 7566. Return their names

```
SELECT ENAME
FROM EMP
WHERE SAL > (SELECT SAL FROM EMP WHERE EMPNO = 7566);
```



-- 2. Write a SQL query to find out which employees have the same designation as the employee whose ID is 7876. Return name, department no and job .

```
SELECT ENAME, DEPTNO, JOB
FROM EMP
WHERE JOB = (SELECT JOB FROM EMP WHERE EMPNO=7876);
```



-- 3. Write a SQL query to find those employees who report to that manager whose name starts with a 'B' or 'C'. Return first name, employee ID and salary

```
SELECT ENAME, EMPNO, SAL
FROM EMP
WHERE MGR_ID IN (
    SELECT EMPNO
    FROM EMP
    WHERE ENAME LIKE 'B%' OR ENAME LIKE 'C%'
);
```

-- 4. Use Northwind database to solve:

a) Find products that are more expensive than the average price of products in their own category. Include the category name, product name, and unit price in the result.

```
SELECT C.CategoryName, P.ProductName, P.UnitPrice
FROM Products P
JOIN Categories C ON P.CategoryID = C.CategoryID
WHERE P.UnitPrice > (
    SELECT AVG(UnitPrice)
    FROM Products
    WHERE CategoryID = P.CategoryID
);
```

Results Messages					
	CategoryName ∨	ProductName	UnitPrice ∨		
1	Beverages	Côte de Blaye	263.50		
2	Beverages	Ipoh Coffee	46.00		
3	Condiments	Grandma's Boysenberry Spread	25.00		
4	Condiments	Northwoods Cranberry Sauce	40.00		
5	Condiments	Sirop d'érable	28.50		
6	Condiments	Vegie-spread	43.90		
7	Confections	Sir Rodney's Marmalade	81.00		
8	Confections	Gumbär Gummibärchen	31.23		
9	Confections	Schoggi Schokolade	43.90		
10	Confections	Tarte au sucre	49.30		
11	Dairy Products	Queso Manchego La Pastora	38.00		
12	Dairy Products	Mascarpone Fabioli	32.00		
13	Dairy Products	Raclette Courdavault	55.00		
14	Dairy Products	Camembert Pierrot	34.00		

b) For each category, display its name, the number of discontinued products in this category (discontinued), and the number of all products in this category

	CategoryName ~	✓ DiscontinuedProducts ∨	✓ TotalProducts ✓
1	Beverages	1	12
2	Condiments	1	12
3	Confections	0	13
4	Dairy Products	0	10
5	Grains/Cereals	1	7
6	Meat/Poultry	4	6
7	Produce	1	5
8	Seafood	0	12