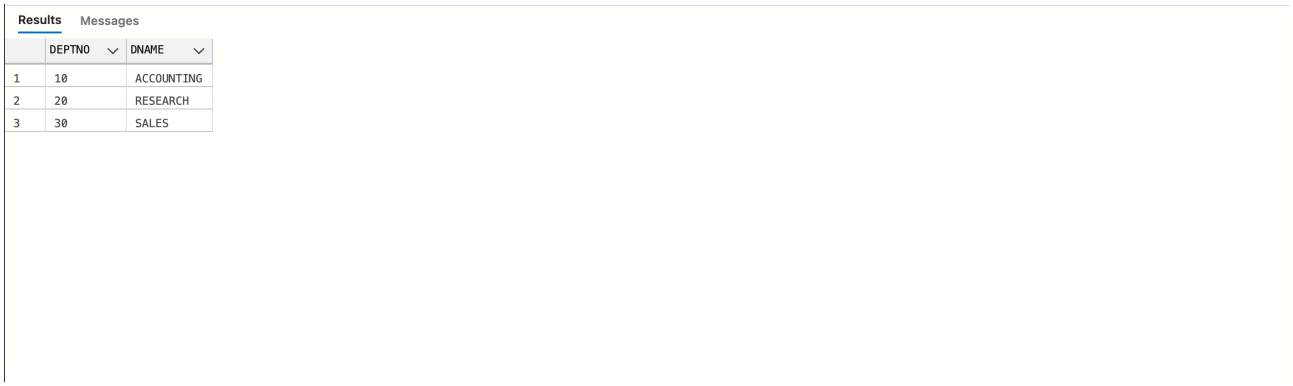
SQL CLASS ASSIGNMENT- IV

-- Set III Queries

-- 1. List unique departments of the EMP table.

```
SELECT DISTINCT E.DEPTNO,D.DNAME FROM EMP E JOIN DEPT D ON
E.DEPTNO=D.DEPTNO;
```

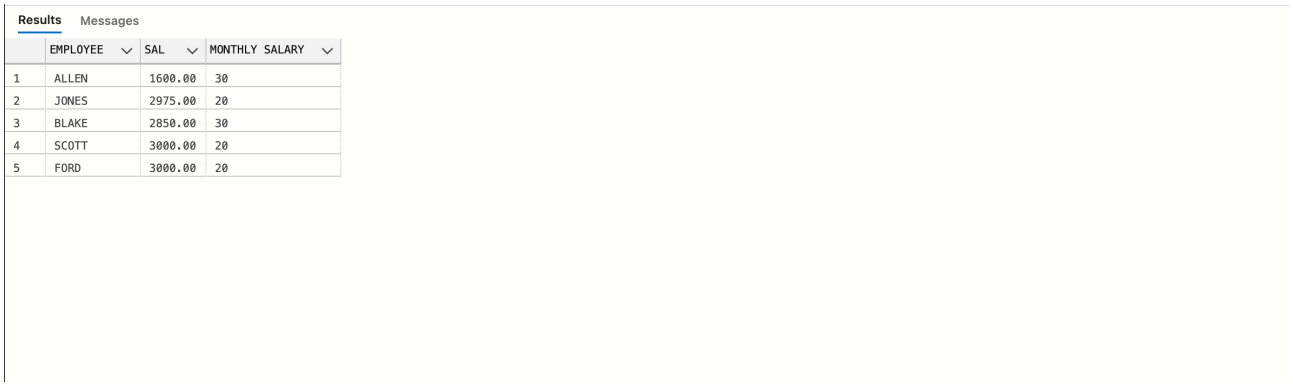


Results Messages

	DEPTNO	DNAME
1	10	ACCOUNTING
2	20	RESEARCH
3	30	SALES

-- 2. List the name and salary of employees who earn more than 1500 and are in department 10 or 30.
-- Label the columns Employee and Monthly Salary respectively.

```
SELECT ENAME AS EMPLOYEE,SAL,DEPTNO AS [MONTHLY SALARY] FROM EMP
WHERE SAL>1500 AND DEPTNO IN(20,30);
```

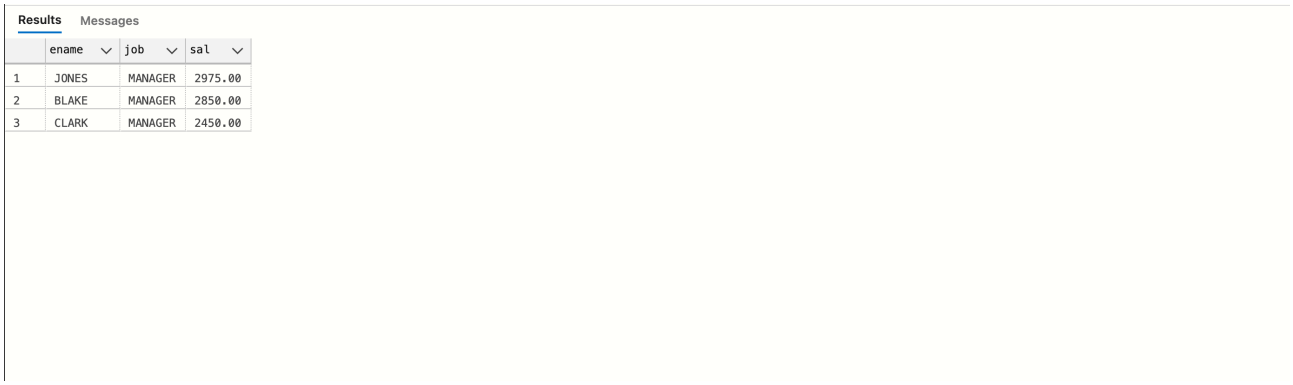


Results Messages

	EMPLOYEE	SAL	MONTHLY SALARY
1	ALLEN	1600.00	30
2	JONES	2975.00	20
3	BLAKE	2850.00	30
4	SCOTT	3000.00	20
5	FORD	3000.00	20

-- 3. Display the name, job, and salary of all the employees whose job is MANAGER or ANALYST and their salary is not equal to 1000, 3000, or 5000.

```
SELECT ENAME, JOB, SAL
FROM EMP
WHERE JOB IN ('MANAGER', 'ANALYST')
AND SAL NOT IN (1000, 3000, 5000);
```

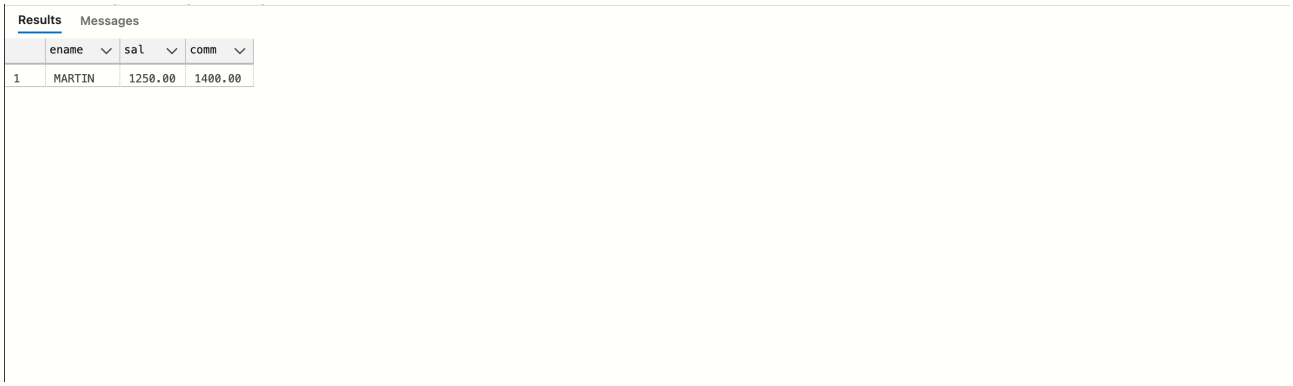


Results Messages

	ename	job	sal
1	JONES	MANAGER	2975.00
2	BLAKE	MANAGER	2850.00
3	CLARK	MANAGER	2450.00

-- 4. Display the name, salary, and commission for all employees whose commission amount is greater than their salary increased by 10%.

```
SELECT ENAME, SAL, COMM
FROM EMP
WHERE COMM > SAL * 1.10;
```

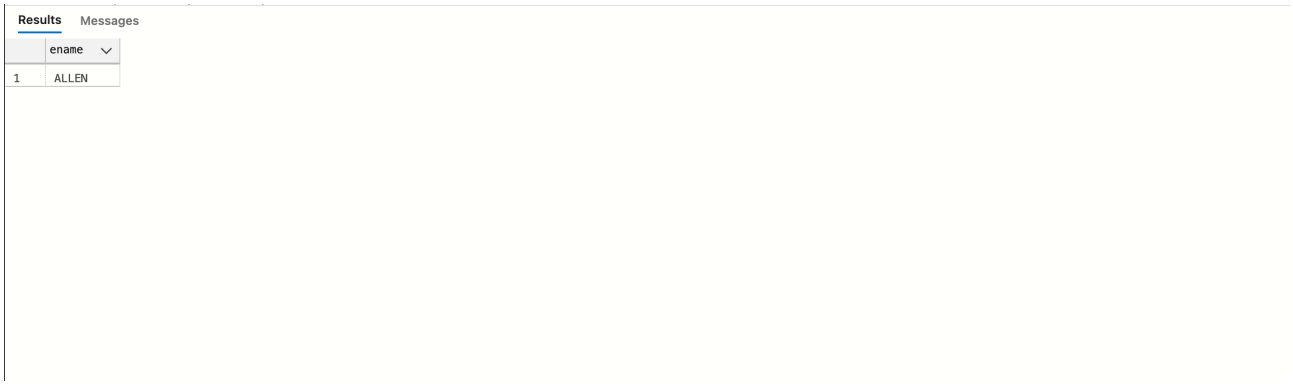


Results Messages

	ename	sal	comm
1	MARTIN	1250.00	1400.00

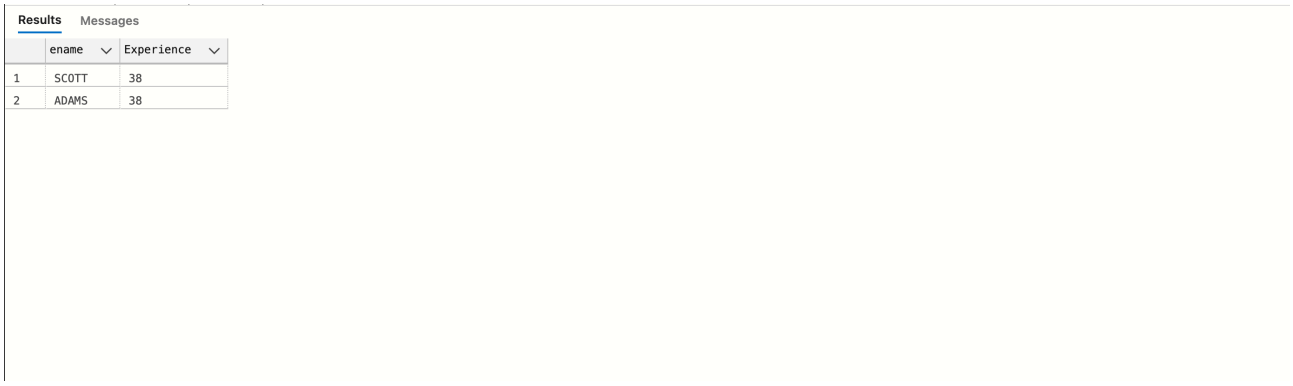
-- 5. Display the name of all employees who have two Ls in their name and are in department 30 or their manager is 7782.

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '%L%L%'
AND (DEPTNO = 30 OR MGR_ID = 7782);
```



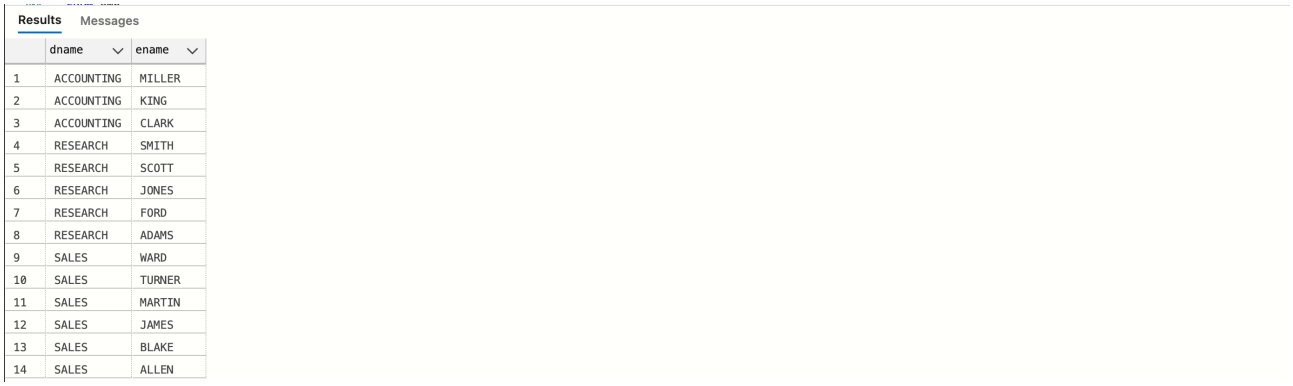
-- 6. Display the names of employees with experience of over 30 years and under 40 years. Count the total number of employees.

```
SELECT ENAME, DATEDIFF(YEAR, HIREDATE, GETDATE()) AS EXPERIENCE
FROM EMP
WHERE DATEDIFF(YEAR, HIREDATE, GETDATE()) BETWEEN 30 AND 40;
```



-- 7. Retrieve the names of departments in ascending order and their employees in descending order.

```
SELECT D.DNAME, E.ENAME
FROM DEPT D
JOIN EMP E ON D.DEPTNO = E.DEPTNO
ORDER BY D.DNAME ASC, E.ENAME DESC;
```

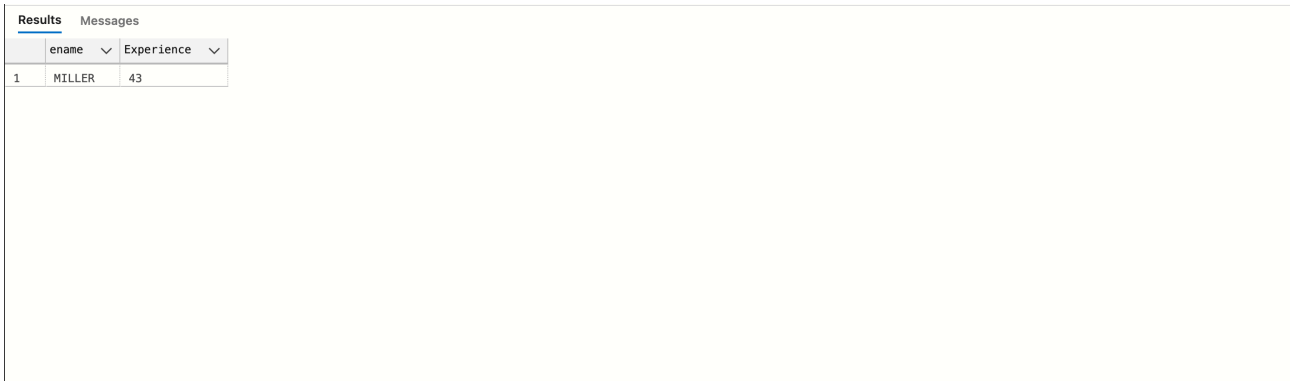


Results Messages

	dname	ename
1	ACCOUNTING	MILLER
2	ACCOUNTING	KING
3	ACCOUNTING	CLARK
4	RESEARCH	SMITH
5	RESEARCH	SCOTT
6	RESEARCH	JONES
7	RESEARCH	FORD
8	RESEARCH	ADAMS
9	SALES	WARD
10	SALES	TURNER
11	SALES	MARTIN
12	SALES	JAMES
13	SALES	BLAKE
14	SALES	ALLEN

-- 8. Find out experience of MILLER.

```
SELECT ENAME, DATEDIFF(YEAR, HIREDATE, GETDATE()) AS EXPERIENCE
FROM EMP
WHERE ENAME = 'MILLER';
```

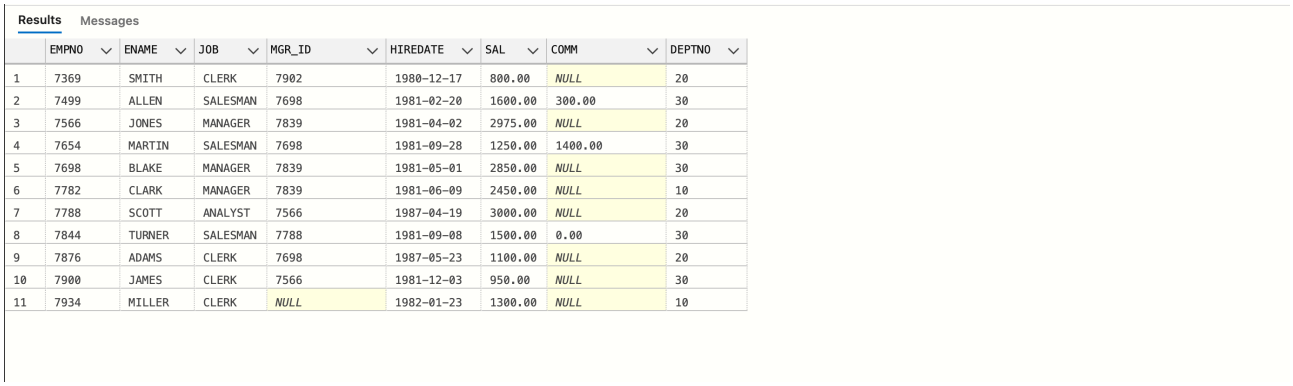


Results Messages

	ename	Experience
1	MILLER	43

-- 9. Write a query to display all employee information where ENAME contains 5 or more characters.

```
SELECT *
FROM EMP
WHERE LEN(ENAME) >= 5;
```



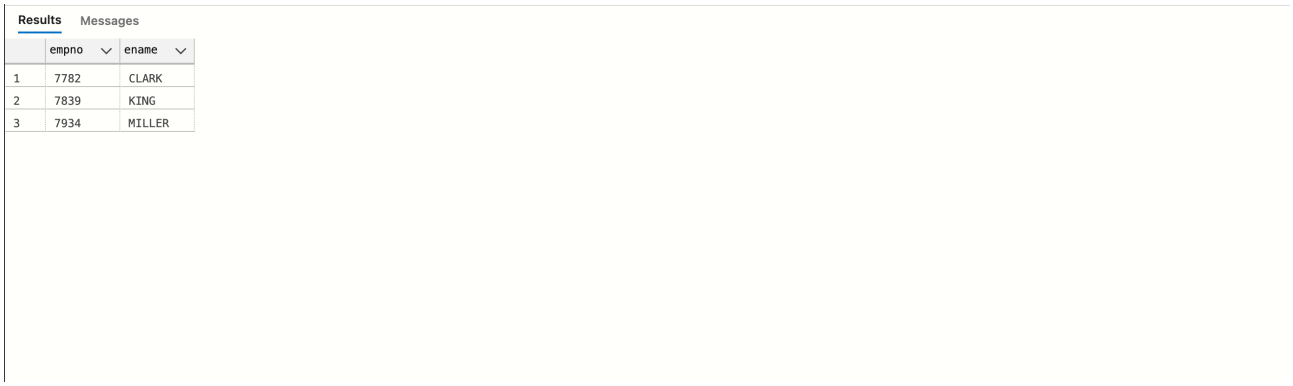
Results Messages

	EMPNO	ENAME	JOB	MGR_ID	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
2	7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
3	7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
4	7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
5	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
6	7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7	7788	SCOTT	ANALYST	7566	1987-04-19	3000.00	NULL	20
8	7844	TURNER	SALESMAN	7788	1981-09-08	1500.00	0.00	30
9	7876	ADAMS	CLERK	7698	1987-05-23	1100.00	NULL	20
10	7900	JAMES	CLERK	7566	1981-12-03	950.00	NULL	30
11	7934	MILLER	CLERK	NULL	1982-01-23	1300.00	NULL	10

-- 10. Copy EMPNO, ENAME of all employees from EMP table who work for DEPT 10 into a new table called EMP10.

```
SELECT EMPNO, ENAME
INTO EMP10
FROM EMP
WHERE DEPTNO = 10;

SELECT * FROM EMP10;
```



Results Messages

	empno	ename
1	7782	CLARK
2	7839	KING
3	7934	MILLER