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Subject: DBS

TASK F

- 1) Display the names of employees according to their seniority.

Query:

```
SELECT ename FROM emp ORDER BY hiredate;
```



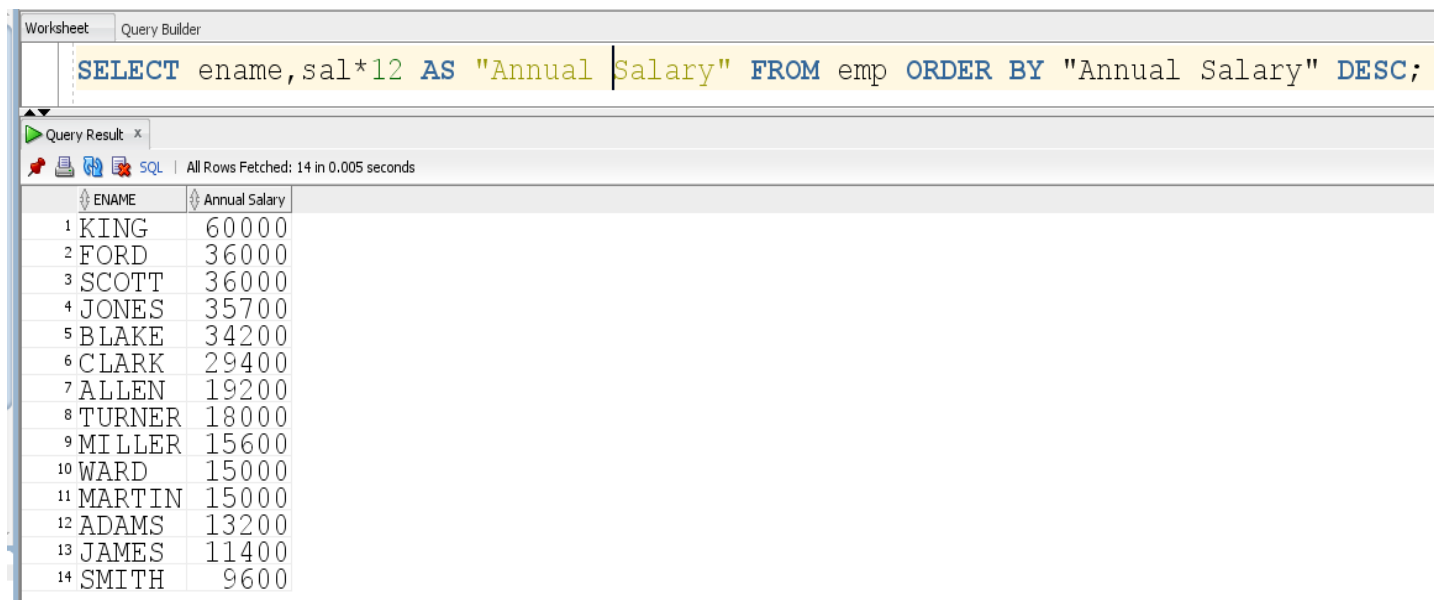
The screenshot shows a database query tool interface. The top tab is 'Worksheet' and the bottom tab is 'Query Builder'. The SQL query entered is `SELECT ename FROM emp ORDER BY hiredate;`. Below the query, the 'Query Result' tab is active, showing a table with 14 rows. The table has a single column labeled 'ENAME'. The rows are ordered by hiredate, with SMITH at the top and ADAMS at the bottom.

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

- 2) Display names and annual salary of all employees, also sort the result based on annual salary in descending order.

Query:

```
SELECT ename,sal*12 AS "Annual Salary" FROM emp ORDER BY "Annual Salary" DESC;
```



The screenshot shows a database query tool interface. The top tab is 'Worksheet' and the bottom tab is 'Query Builder'. The SQL query entered is `SELECT ename,sal*12 AS "Annual Salary" FROM emp ORDER BY "Annual Salary" DESC;`. Below the query, the 'Query Result' tab is active, showing a table with 14 rows. The table has two columns: 'ENAME' and 'Annual Salary'. The rows are ordered by annual salary in descending order, with KING at the top and SMITH at the bottom.

	ENAME	Annual Salary
1	KING	60000
2	FORD	36000
3	SCOTT	36000
4	JONES	35700
5	BLAKE	34200
6	CLARK	29400
7	ALLEN	19200
8	TURNER	18000
9	MILLER	15600
10	WARD	15000
11	MARTIN	15000
12	ADAMS	13200
13	JAMES	11400
14	SMITH	9600

3) Write a query which produces following output:



The screenshot shows a database query results window with tabs for Results, Script Output, Explain, and Auto. The Results tab is active, displaying a table with 14 rows of employee data. The columns are labeled ENAME, DEPTNO, and SAL. The data is sorted by department number and then by salary in descending order.

	ENAME	DEPTNO	SAL
1	KING	10	5000
2	CLARK	10	2450
3	MILLER	10	1300
4	SCOTT	20	3000
5	FORD	20	3000
6	JONES	20	2975
7	ADAMS	20	1100
8	SMITH	20	800
9	BLAKE	30	2850
10	ALLEN	30	1600
11	TURNER	30	1500
12	MARTIN	30	1250
13	WARD	30	1250
14	JAMES	30	950

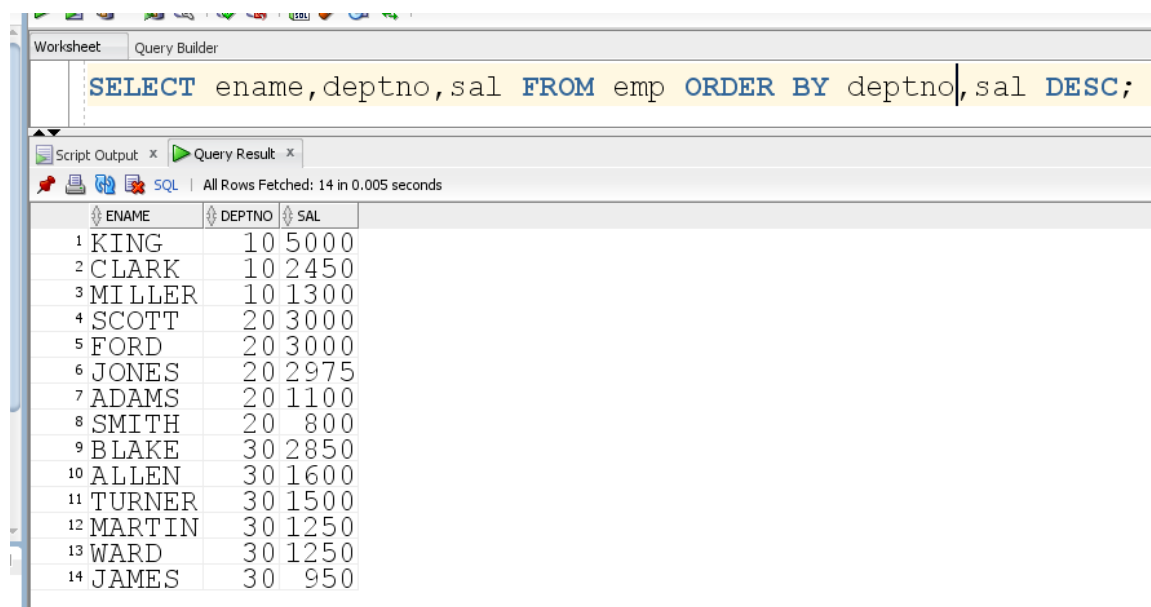
Statement:

Display the names, departments and salaries of employees according to departments and highest pay scales.

Query:

```
SELECT ename,deptno,sal FROM emp ORDER BY deptno,sal DESC;
```

Output:



The screenshot shows a database query results window with tabs for Worksheet, Query Builder, Script Output, and Query Result. The Query Builder tab is active, displaying the SQL query: `SELECT ename,deptno,sal FROM emp ORDER BY deptno,sal DESC;`. The Query Result tab is also active, displaying a table with 14 rows of employee data, sorted by department number and then by salary in descending order.

	ENAME	DEPTNO	SAL
1	KING	10	5000
2	CLARK	10	2450
3	MILLER	10	1300
4	SCOTT	20	3000
5	FORD	20	3000
6	JONES	20	2975
7	ADAMS	20	1100
8	SMITH	20	800
9	BLAKE	30	2850
10	ALLEN	30	1600
11	TURNER	30	1500
12	MARTIN	30	1250
13	WARD	30	1250
14	JAMES	30	950