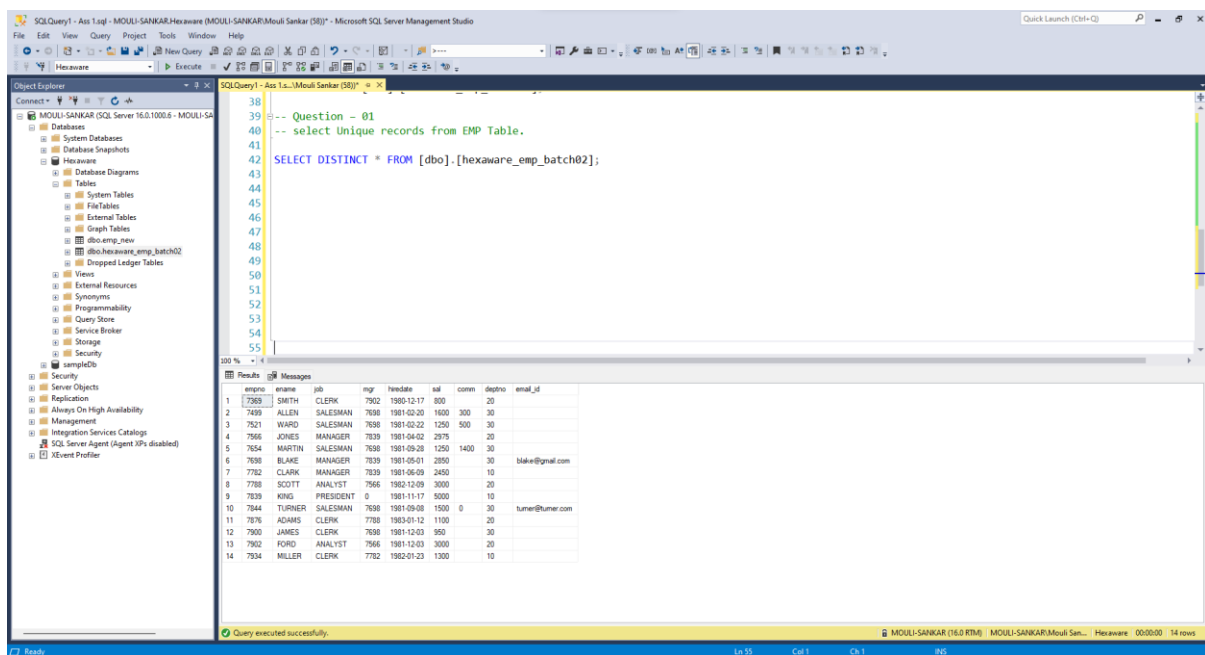


# Question – 01

select Unique records from EMP Table.

Query:

```
SELECT DISTINCT * FROM [dbo].[hexaware_emp_batch02];
```



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'Hexaware' database selected. The right pane shows a query window with the following SQL code:

```
-- Question - 01
-- select Unique records from EMP Table.
SELECT DISTINCT * FROM [dbo].[hexaware_emp_batch02];
```

Below the query window, the 'Results' pane displays the output of the query, which is a table with 14 rows and 8 columns: empno, ename, job, mgr, hiredate, sal, comm, and deptno. The data is as follows:

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800	20	
7499	ALLEN	SALESMAN	7698	1981-02-20	1600	300	30
7521	WARD	SALESMAN	7698	1981-02-22	1250	500	30
7566	JONES	MANAGER	7839	1981-04-02	2975		20
7654	MARTIN	SALESMAN	7698	1981-09-28	1250	1400	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850		30
7782	CLARK	MANAGER	7839	1981-06-09	2450		10
7788	SCOTT	ANALYST	7566	1982-12-09	3000		20
7839	KING	PRESIDENT	0	1981-11-17	5000		10
7844	TURNER	SALESMAN	7698	1981-09-08	1500	0	30
7876	ADAMS	CLERK	7788	1983-01-12	1100		20
7900	JAMES	CLERK	7698	1981-12-03	950		30
7902	FORD	ANALYST	7566	1981-12-03	3000		20
7934	MILLER	CLERK	7782	1982-01-23	1300		10

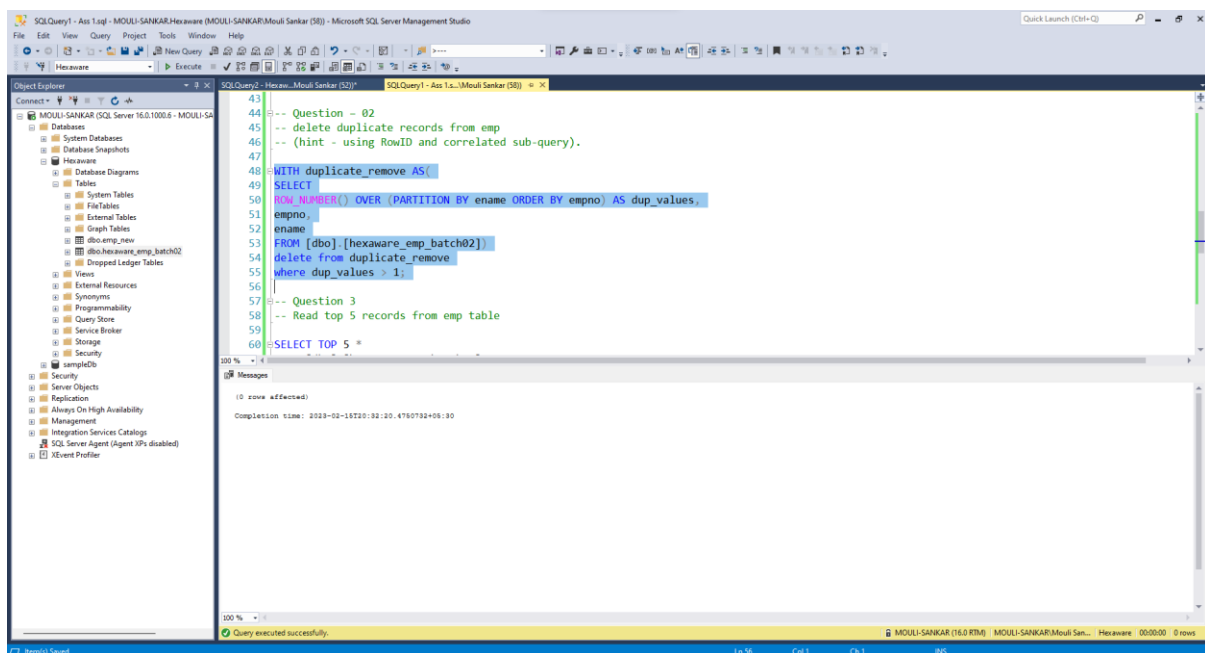
The status bar at the bottom indicates 'Query executed successfully.' and '14 rows'.

# Question – 02

delete duplicate records from emp  
(hint - using RowID and correlated sub-query).

Query :

```
WITH duplicate_remove AS(  
SELECT  
ROW_NUMBER() OVER (PARTITION BY ename ORDER BY empno) AS  
dup_values,  
empno,  
ename  
FROM [dbo].[hexaware_emp_batch02])  
delete from duplicate_remove  
where dup_values > 1;
```



# Question – 03

Read top 5 records from emp table

Query:

```
SELECT TOP 5 *  
FROM [dbo].[hexaware_emp_batch02];
```

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'hexaware' database selected. The right pane shows a query window with the following SQL code:

```
-- Question 3  
-- Read top 5 records from emp table  
SELECT TOP 5 *  
FROM [dbo].[hexaware_emp_batch02];  
  
-- Question - 04  
-- Read last 5 records from EMP Table  
SELECT TOP 5 * FROM [dbo].[hexaware_emp_batch02]  
ORDER BY ename DESC;  
  
-- Question - 05  
-- Find Second Highest Salary from EMP table.
```

Below the query window, the 'Results' pane displays the top 5 records from the 'emp' table:

empno	ename	job	mgr	hiredate	sal	comm	deptno	email_id
7839	KING	PRESIDENT	0	1981-11-17	5000	10		
7838	BLAKE	MANAGER	7839	1981-05-01	2850	30		blake@gmail.com
7782	CLARK	MANAGER	7839	1981-06-09	2450	10		
7665	JONES	MANAGER	7839	1981-04-02	2975	20		
7902	FORD	ANALYST	7568	1981-12-03	3000	20		

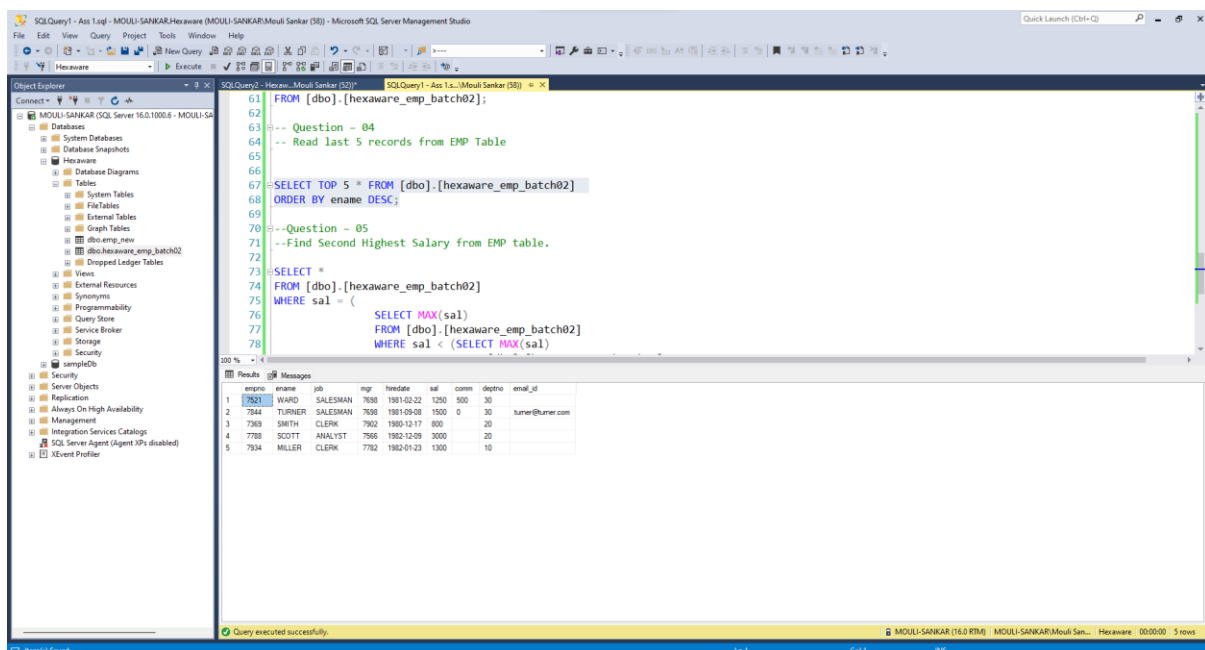
The status bar at the bottom indicates 'Query executed successfully'.

# Question – 04

Read last 5 records from EMP Table

Query:

```
SELECT TOP 5 * FROM [dbo].[hexaware_emp_batch02]
ORDER BY ename DESC;
```



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'hexaware' database selected. The right pane shows the 'SQL Query1' window with the following query:

```
61 FROM [dbo].[hexaware_emp_batch02];
62
63 -- Question - 04
64 -- Read last 5 records from EMP Table
65
66
67 SELECT TOP 5 * FROM [dbo].[hexaware_emp_batch02]
68 ORDER BY ename DESC;
69
70 -- Question - 05
71 -- Find Second Highest Salary from EMP table.
72
73 SELECT *
74 FROM [dbo].[hexaware_emp_batch02]
75 WHERE sal = (
76     SELECT MAX(sal)
77     FROM [dbo].[hexaware_emp_batch02]
78     WHERE sal < (SELECT MAX(sal)
```

The 'Results' pane at the bottom shows the output of the query, displaying 5 records from the EMP table, ordered by ename in descending order:

empno	ename	job	mgr	hiredate	sal	comm	deptno	email_id
7521	WARD	SALESMAN	7698	1981-02-22	1250	500	30	
7844	TURNER	SALESMAN	7698	1981-09-08	1500	0	30	turner@turner.com
7369	SMITH	CLERK	7902	1980-12-17	800	20		
7782	SCOTT	ANALYST	7566	1982-12-09	3000	20		
7354	MILLER	CLERK	7782	1982-01-23	1300	10		

The status bar at the bottom indicates 'Query executed successfully.' and 'MOULI-SANKAR (16.0 KTB) | MOULI-SANKAR/Mouli San... | Hexaware | 00:00:00 | 3 rows'.

# Question – 05

Find Second Highest Salary from EMP table.

Query:

```
SELECT *
FROM [dbo].[hexaware_emp_batch02]
WHERE sal = (
    SELECT MAX(sal)
    FROM [dbo].[hexaware_emp_batch02]
    WHERE sal < (SELECT MAX(sal)
    FROM [dbo].[hexaware_emp_batch02]
    )
);
```

