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## DE Lab Assignment 01

**Q 1: Write SQL queries to perform creation of table, insert values, select and drop for the following instruction.**

- 1. Create a table Employee having attribute Employee\_ID, Name, Age, Salary, Department  
Program:-**

```
CREATE DATABASE Employee
```

```
Use Employee
```

```
Create Table Employee
```

```
(  
Employee_ID int,
```

```
Name varchar,
```

```
Age int,
```

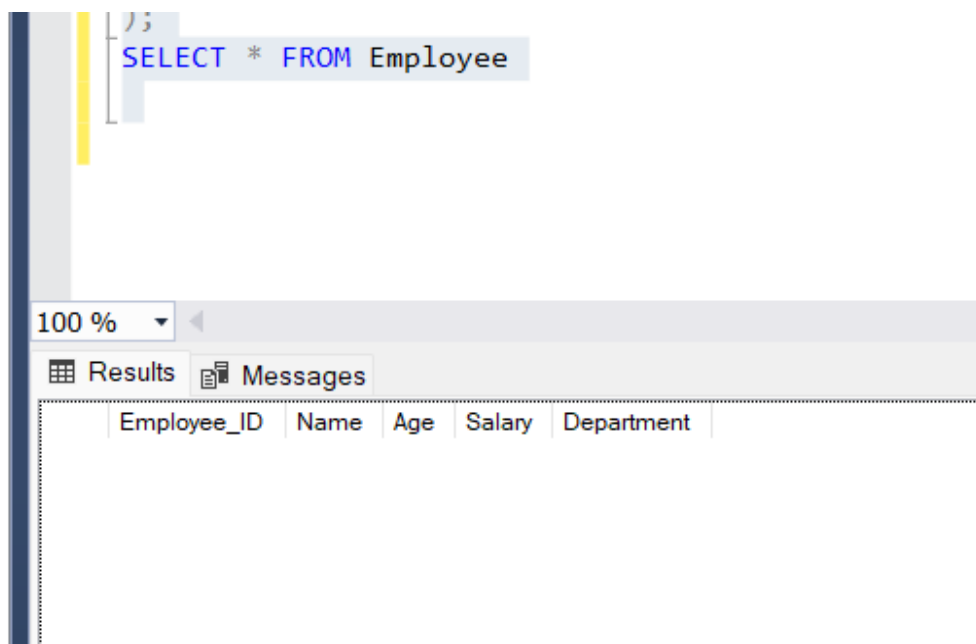
```
Salary int,
```

```
Department varchar,
```

```
);
```

```
SELECT * FROM Employee
```

**Output:-**



The screenshot shows a SQL query execution interface. The query `SELECT * FROM Employee` is entered in the top text area. Below the query, there is a results pane with a tab labeled "Results" and a tab labeled "Messages". The "Results" tab is active, displaying the structure of the "Employee" table. The table has five columns: "Employee\_ID", "Name", "Age", "Salary", and "Department". The "Results" tab is selected, and the table structure is displayed below it.

Employee_ID	Name	Age	Salary	Department
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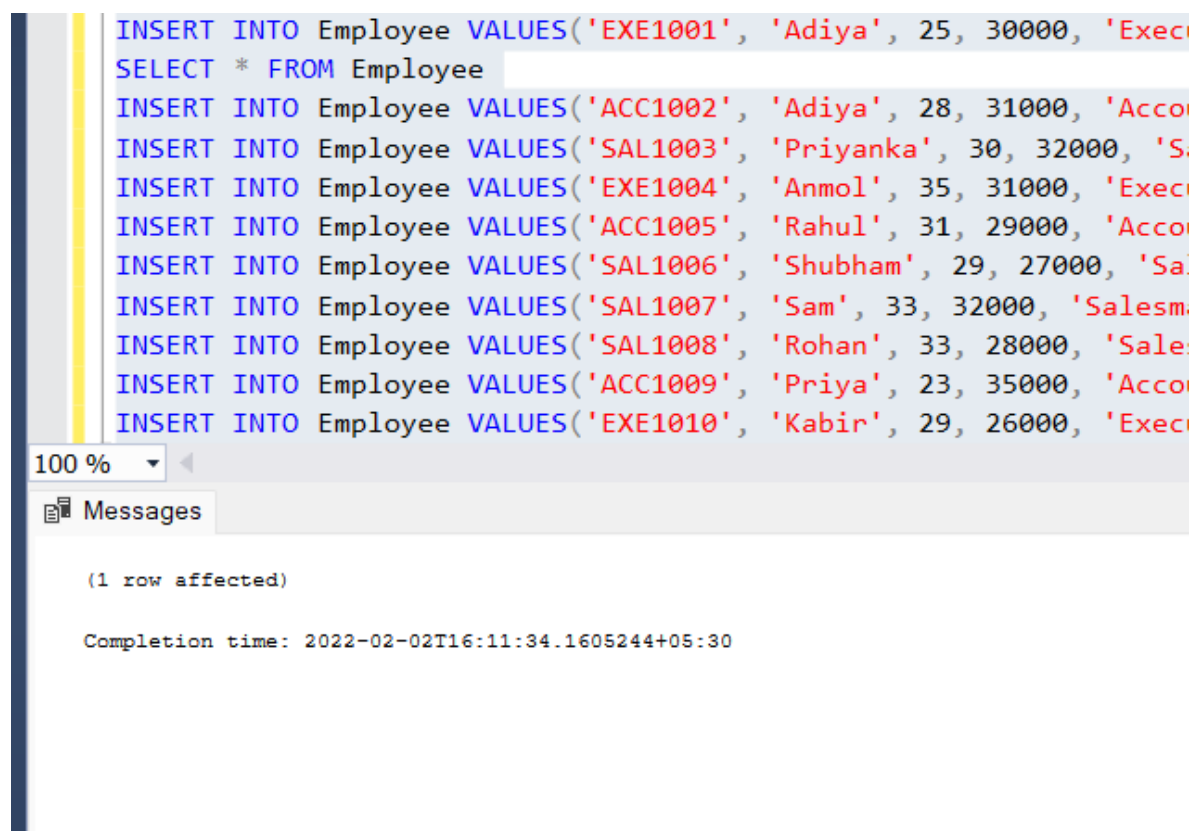
2. Insert values in Employee table.

**Program:-**

```
SELECT * FROM Employee
```

```
INSERT INTO Employee VALUES('EXE1001', 'Adiya', 25, 30000, 'Executive');
SELECT * FROM Employee
INSERT INTO Employee VALUES('ACC1002', 'Adiya', 28, 31000, 'Accountant');
INSERT INTO Employee VALUES('SAL1003', 'Priyanka', 30, 32000, 'Salesman');
INSERT INTO Employee VALUES('EXE1004', 'Anmol', 35, 31000, 'Executive');
INSERT INTO Employee VALUES('ACC1005', 'Rahul', 31, 29000, 'Accountant');
INSERT INTO Employee VALUES('SAL1006', 'Shubham', 29, 27000, 'Salesman');
INSERT INTO Employee VALUES('SAL1007', 'Sam', 33, 32000, 'Salesman');
INSERT INTO Employee VALUES('SAL1008', 'Rohan', 33, 28000, 'Salesman');
INSERT INTO Employee VALUES('ACC1009', 'Priya', 23, 35000, 'Accountant');
INSERT INTO Employee VALUES('EXE1010', 'Kabir', 29, 26000, 'Executive');
```

**Output:-**



The screenshot shows a SQL IDE interface. The top pane contains the following SQL commands:

```
INSERT INTO Employee VALUES('EXE1001', 'Adiya', 25, 30000, 'Execu
SELECT * FROM Employee
INSERT INTO Employee VALUES('ACC1002', 'Adiya', 28, 31000, 'Acco
INSERT INTO Employee VALUES('SAL1003', 'Priyanka', 30, 32000, 'S
INSERT INTO Employee VALUES('EXE1004', 'Anmol', 35, 31000, 'Exec
INSERT INTO Employee VALUES('ACC1005', 'Rahul', 31, 29000, 'Acco
INSERT INTO Employee VALUES('SAL1006', 'Shubham', 29, 27000, 'Sa
INSERT INTO Employee VALUES('SAL1007', 'Sam', 33, 32000, 'Salesm
INSERT INTO Employee VALUES('SAL1008', 'Rohan', 33, 28000, 'Sale
INSERT INTO Employee VALUES('ACC1009', 'Priya', 23, 35000, 'Acco
INSERT INTO Employee VALUES('EXE1010', 'Kabir', 29, 26000, 'Execu
```

The bottom pane shows the output messages:

```
(1 row affected)

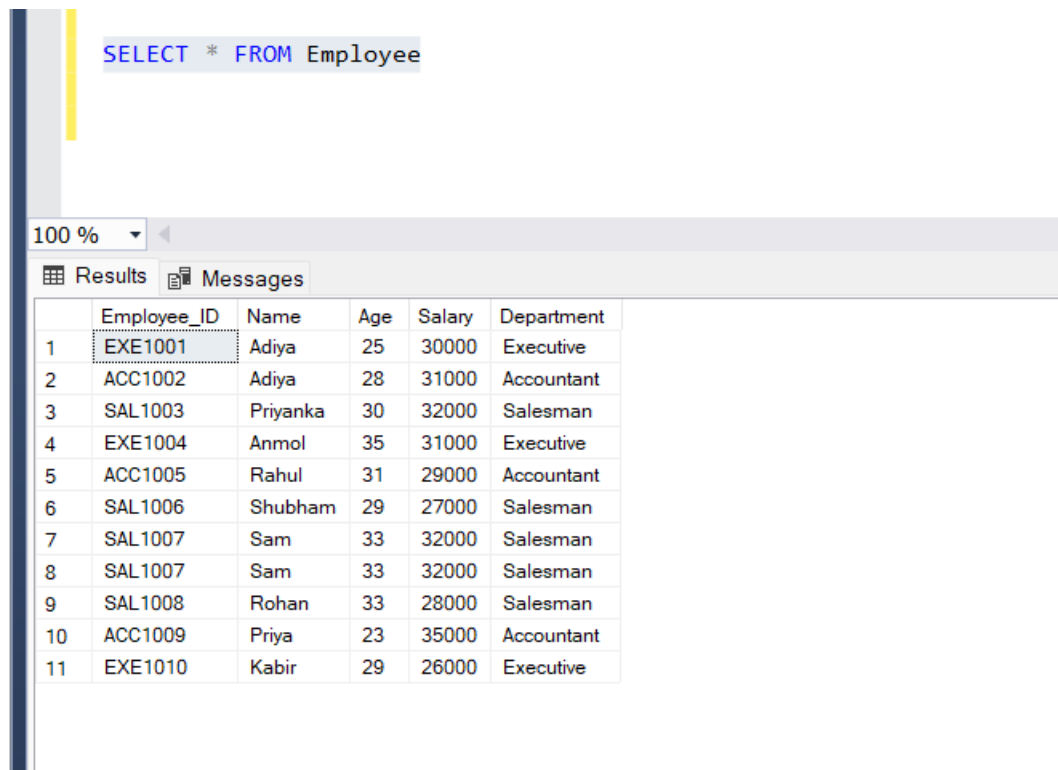
Completion time: 2022-02-02T16:11:34.1605244+05:30
```

### 3. Display Employee table

Program: -

```
SELECT * FROM Employee
```

Output: -



The screenshot shows a SQL query execution interface. At the top, the query `SELECT * FROM Employee` is entered. Below the query, there are tabs for 'Results' and 'Messages'. The 'Results' tab is active, displaying a table with 11 rows and 6 columns: Employee\_ID, Name, Age, Salary, and Department. The table data is as follows:

	Employee_ID	Name	Age	Salary	Department
1	EXE1001	Adiya	25	30000	Executive
2	ACC1002	Adiya	28	31000	Accountant
3	SAL1003	Priyanka	30	32000	Salesman
4	EXE1004	Anmol	35	31000	Executive
5	ACC1005	Rahul	31	29000	Accountant
6	SAL1006	Shubham	29	27000	Salesman
7	SAL1007	Sam	33	32000	Salesman
8	SAL1007	Sam	33	32000	Salesman
9	SAL1008	Rohan	33	28000	Salesman
10	ACC1009	Priya	23	35000	Accountant
11	EXE1010	Kabir	29	26000	Executive

### 4. Display records whose age < 30.

```
SELECT * FROM Employee WHERE Age<30;
```

Output: -

```
SELECT * FROM Employee WHERE Age<30;
```

100 %

Results Messages

	Employee_ID	Name	Age	Salary	Department
1	EXE1001	Adiya	25	30000	Executive
2	ACC1002	Adiya	28	31000	Accountant
3	SAL1006	Shubham	29	27000	Salesman
4	ACC1009	Priya	23	35000	Accountant
5	EXE1010	Kabir	29	26000	Executive

5. Display Employee\_ID, Name whose Age <= 30 and Salary < 32000.

**Program:-**

```
SELECT Employee_ID,Name FROM Employee  
WHERE Age<=30 AND Salary<32000;
```

**Output:-**

100 %

Results Messages

	Employee_ID	Name
1	EXE1001	Adiya
2	ACC1002	Adiya
3	SAL1006	Shubham
4	EXE1010	Kabir

6. Display records whose Age >30 or Salary > 35000.

**Program:-**

```
SELECT * FROM Employee  
WHERE Age>30 OR Salary>35000;
```

**Output:-**

100 %

	Employee_ID	Name	Age	Salary	Department
1	EXE1004	Anmol	35	31000	Executive
2	ACC1005	Rahul	31	29000	Accountant
3	SAL1007	Sam	33	32000	Salesman
4	SAL1007	Sam	33	32000	Salesman
5	SAL1008	Rohan	33	28000	Salesman

7. Delete Department Column from the record  
Program:-

```
ALTER TABLE Employee
DROP COLUMN Department;
```

Output:-

100 %

Messages
Commands completed successfully.
Completion time: 2022-02-02T16:27:42.4781835+05:30

8. From the employee table delete whose name is Priya .  
Program:-

```
DELETE FROM Employee
WHERE Name='Priya';
```

Output:-

100 %

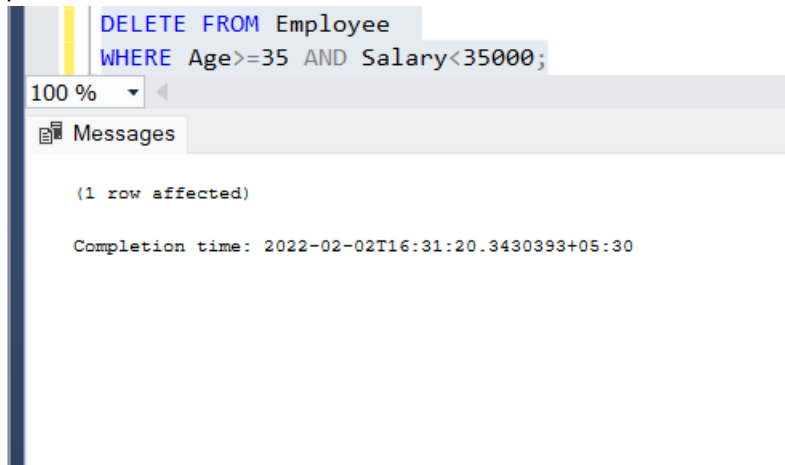
Messages
(1 row affected)
Completion time: 2022-02-02T16:29:23.6545918+05:30

9. Delete record whose age >=35 and salary

Program:-

```
DELETE FROM Employee
WHERE Age>=35 AND Salary<35000;
```

Output:-



The screenshot shows a SQL query execution window. The query is: `DELETE FROM Employee WHERE Age >= 35 AND Salary < 35000;`. The window has a dropdown menu set to "100 %". Below the query, there is a "Messages" tab. The output shows "(1 row affected)" and "Completion time: 2022-02-02T16:31:20.3430393+05:30".

```
DELETE FROM Employee
WHERE Age >= 35 AND Salary < 35000;
```

100 %

Messages

(1 row affected)

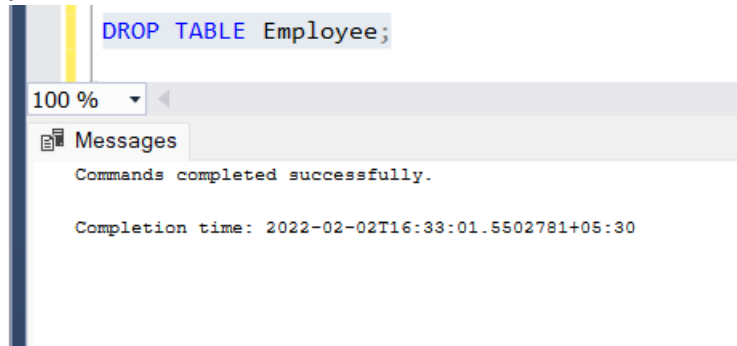
Completion time: 2022-02-02T16:31:20.3430393+05:30

10. Drop the table

**Program:-**

DROP TABLE Employee;

Output:-



The screenshot shows a SQL query execution window. The query is: `DROP TABLE Employee;`. The window has a dropdown menu set to "100 %". Below the query, there is a "Messages" tab. The output shows "Commands completed successfully." and "Completion time: 2022-02-02T16:33:01.5502781+05:30".

```
DROP TABLE Employee;
```

100 %

Messages

Commands completed successfully.

Completion time: 2022-02-02T16:33:01.5502781+05:30

## My Code

```
CREATE DATABASE Employee
```

```
Use Employee
```

```
Create Table Employee
```

```
(  
Employee_ID varchar (10),  
Name varchar(30),  
Age int,  
Salary int,  
Department varchar(15)  
);
```

```
SELECT * FROM Employee
```

```
INSERT INTO Employee VALUES('EXE1001', 'Adiya', 25, 30000, 'Executive');  
SELECT * FROM Employee  
INSERT INTO Employee VALUES('ACC1002', 'Adiya', 28, 31000, 'Accountant');  
INSERT INTO Employee VALUES('SAL1003', 'Priyanka', 30, 32000, 'Salesman');  
INSERT INTO Employee VALUES('EXE1004', 'Anmol', 35, 31000, 'Executive');  
INSERT INTO Employee VALUES('ACC1005', 'Rahul', 31, 29000, 'Accountant');  
INSERT INTO Employee VALUES('SAL1006', 'Shubham', 29, 27000, 'Salesman');  
INSERT INTO Employee VALUES('SAL1007', 'Sam', 33, 32000, 'Salesman');  
INSERT INTO Employee VALUES('SAL1008', 'Rohan', 33, 28000, 'Salesman');  
INSERT INTO Employee VALUES('ACC1009', 'Priya', 23, 35000, 'Accountant');  
INSERT INTO Employee VALUES('EXE1010', 'Kabir', 29, 26000, 'Executive');
```

```
SELECT * FROM Employee
```

```
SELECT * FROM Employee WHERE Age<30;
```

```
SELECT Employee_ID,Name FROM Employee  
WHERE Age<=30 AND Salary<32000;
```

```
SELECT * FROM Employee  
WHERE Age>30 OR Salary>35000;
```

```
ALTER TABLE Employee  
DROP COLUMN Department;
```

```
DELETE FROM Employee  
WHERE Name='Priya';
```

```
DELETE FROM Employee  
WHERE Age>=35 AND Salary<35000;
```

```
DROP TABLE Employee;
```