Name:- Atish Kumar

Roll No:- 120CS0173

Date:- 02 Feb 2022

DE Lab Assignment 01

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

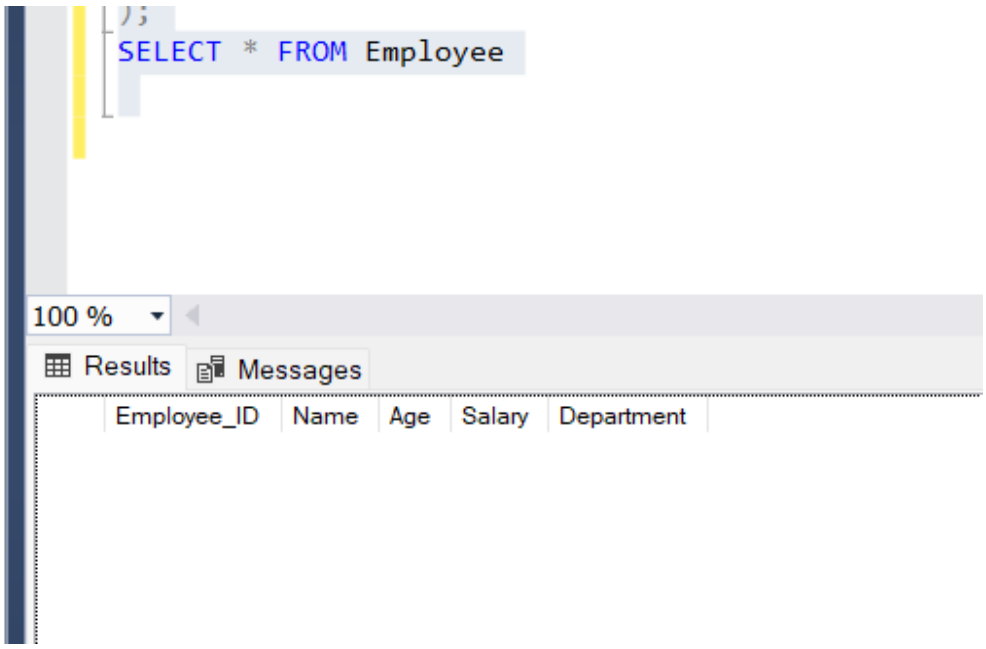
1. **Create a table Employee having attribute Employee_ID, Name, Age, Salary, Department**
   Program:-

```
CREATE DATABASE Employee

Use Employee

Create Table  Employee
(
Employee_ID int,
Name varchar,
Age int,
Salary int,
Department varchar,
);
SELECT * FROM Employee
```

Output:-



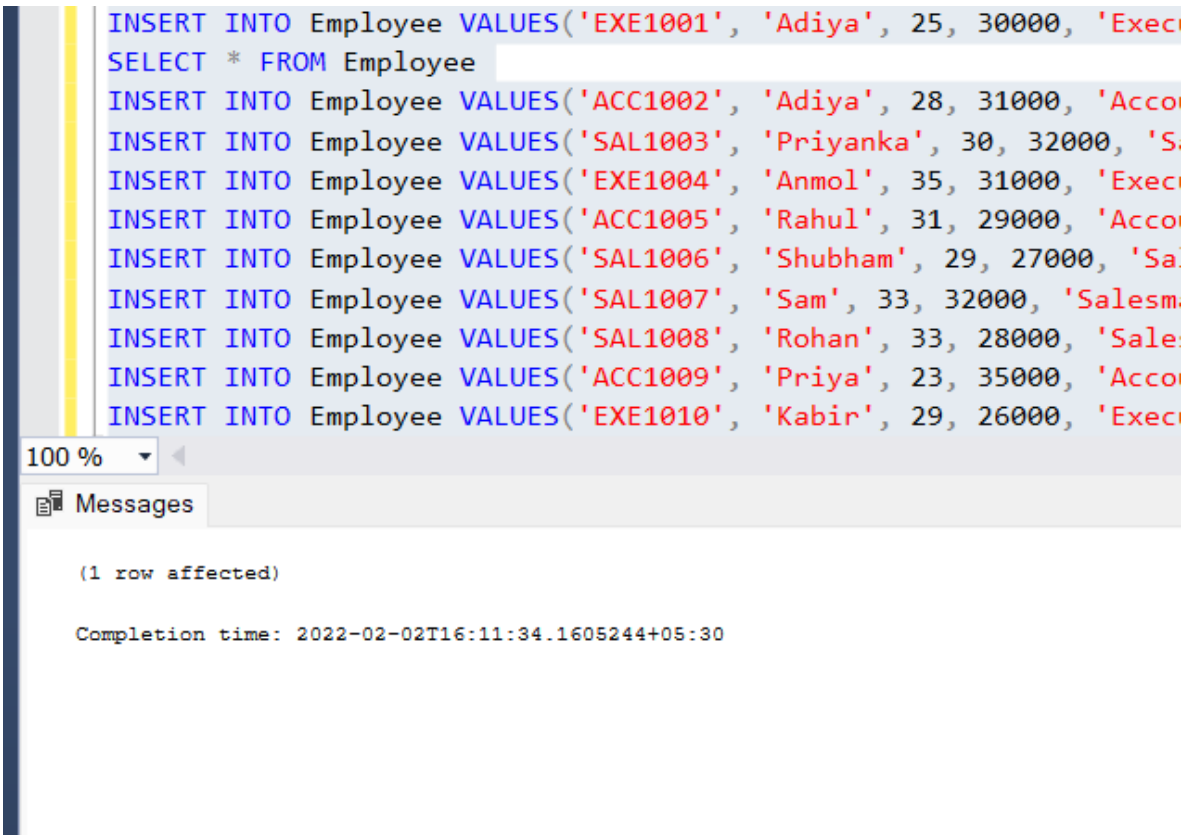
2. Insert values in Employee table.

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:-

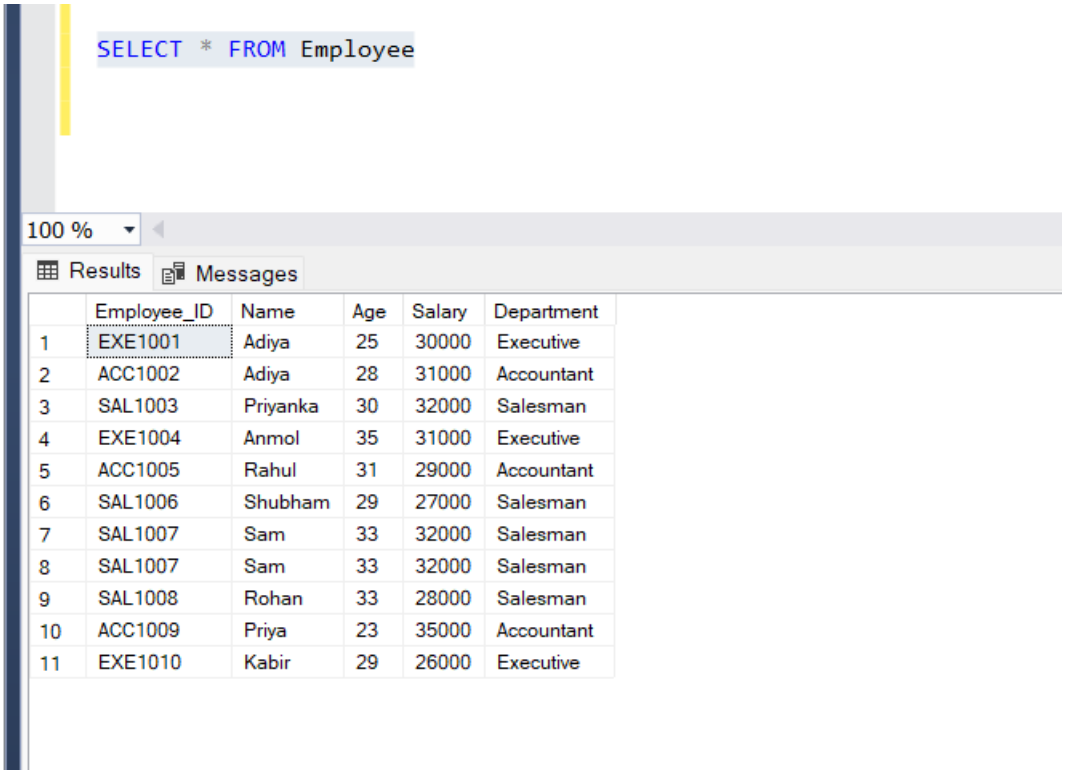


3. **Display Employee table**

Program:-

```
SELECT * FROM Employee
```

Output:-



```
SELECT * FROM Employee
```

100 %

Results | Messages

	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

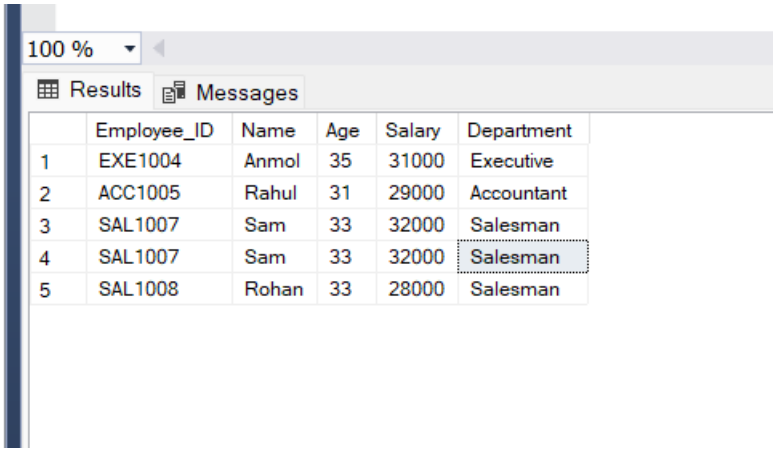
	Employee_ID	Name
1	EXE1001	Adiya
2	ACC1002	Adiya
3	SAL1006	Shubham
4	EXE1010	Kabir

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

   Program:-

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

   Output:-



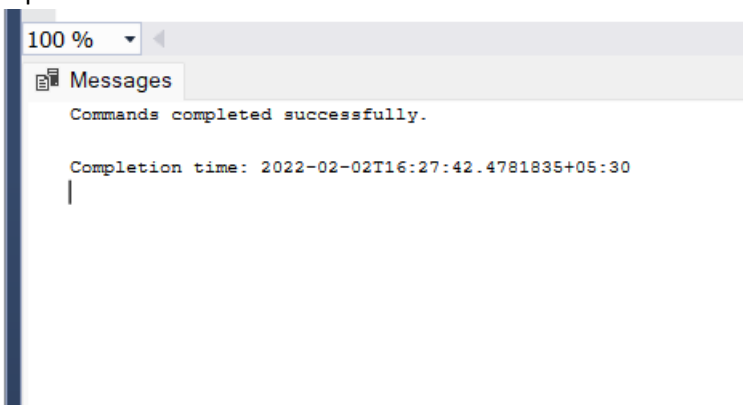
	Employee_ID	Name	Age	Salary	Department
1	EXE1004	Anmol	35	31000	Executive
2	ACC1005	Rahul	31	29000	Accountant
3	SAL1007	Sam	33	32000	Salesman
4	SAL1007	Sam	33	32000	Salesman
5	SAL1008	Rohan	33	28000	Salesman

7. Delete Department Column from the record

   Program:-

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

   Output:-

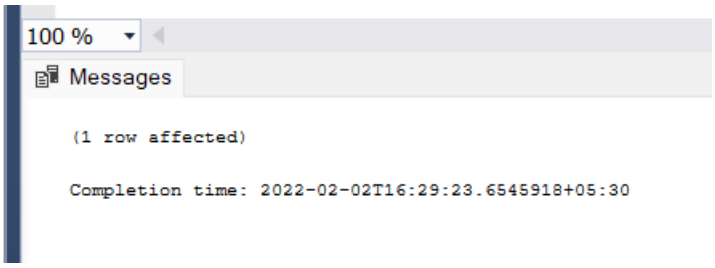


8. From the employee table delete whose name is Priya .

   Program:-

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

   Output:-



9. Delete record whose age >=35 and salary

   Program:-

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

Output:-

```
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:-

```
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;
```