SQL QUERY TO INSERT MULTIPLE ROWS

Insertion in a table is a DML (Data manipulation language) operation in SQL. When we want to store data we need to insert the data into the database. We use the **INSERT statement** to insert the data into the database.

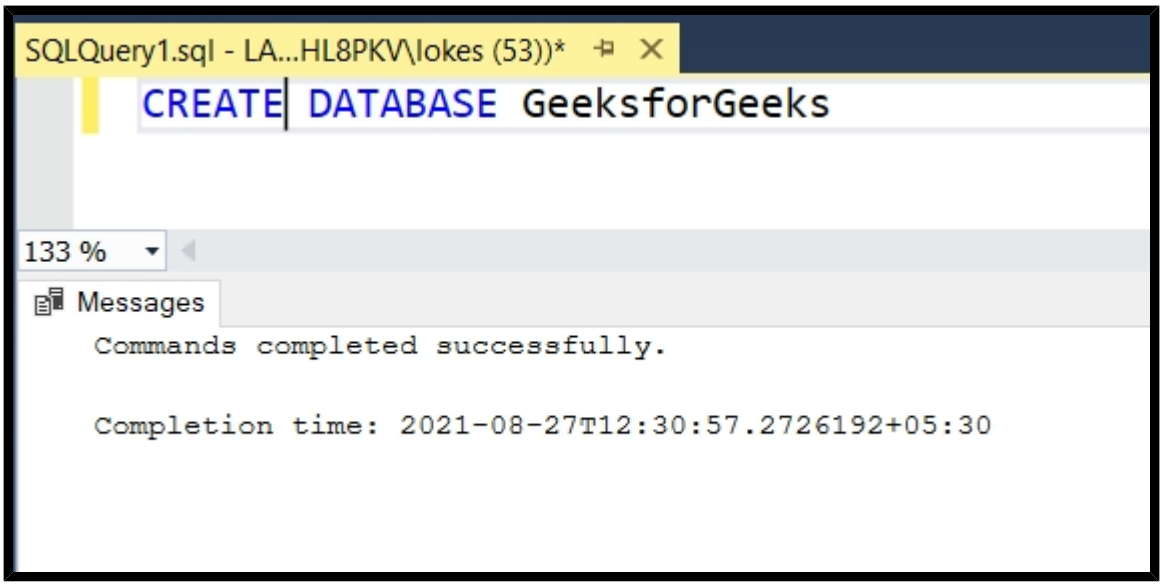
In this article, we see how to insert individual as well as multiple rows in a database using the **INSERT** statement in the MSSQL server.

Creating a Database: Use the below command to create a database named GeeksforGeeks.

Query

```
CREATE DATABASE GeeksforGeeks;
```

Output

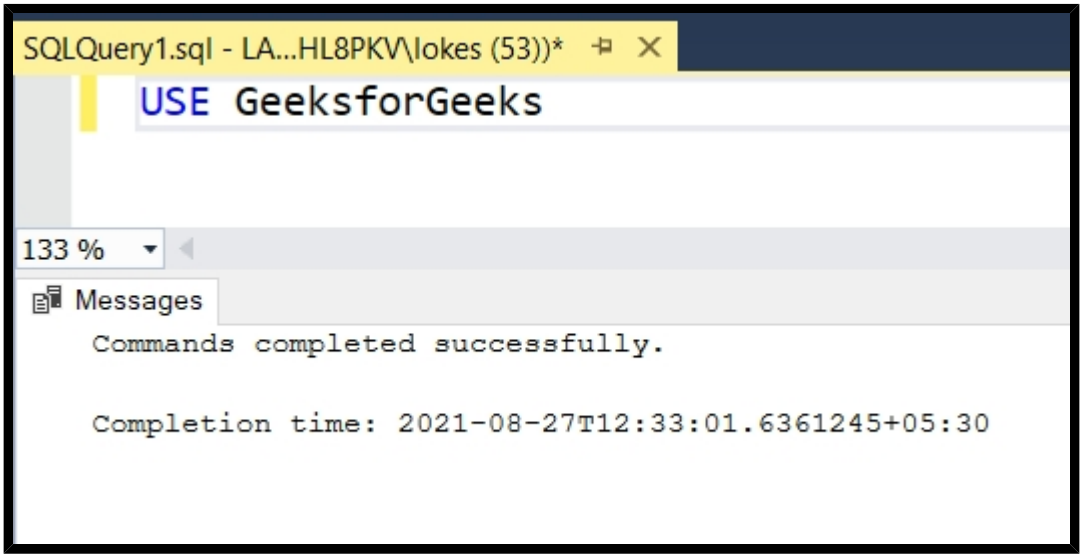


Using the Database: To use the GeeksforGeeks database use the below command.

Query

```
USE GeeksforGeeks;
```

Output

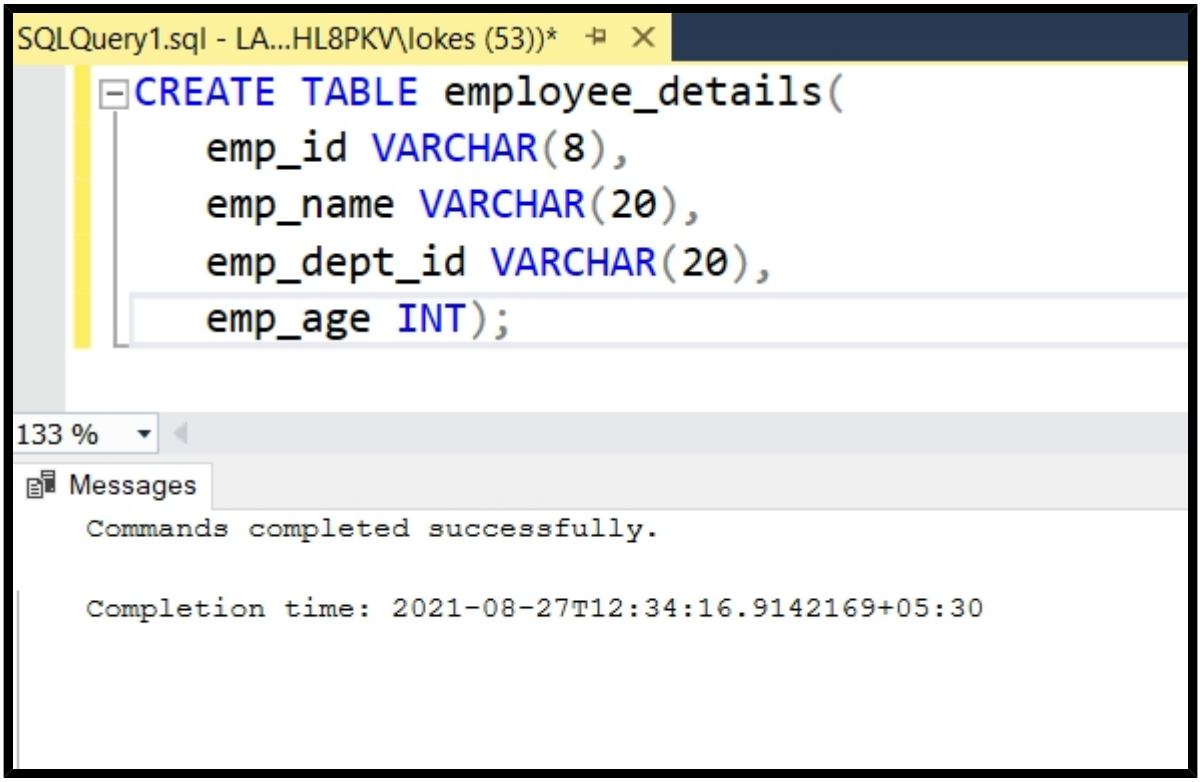


Creating a Table: Create a table employee_details with 4 columns using the following SQL query.

Query

```
CREATE TABLE employee_details(
   emp_id VARCHAR(8),
   emp_name VARCHAR(20),
   emp_dept_id VARCHAR(20),
   emp_age INT);
```

Output

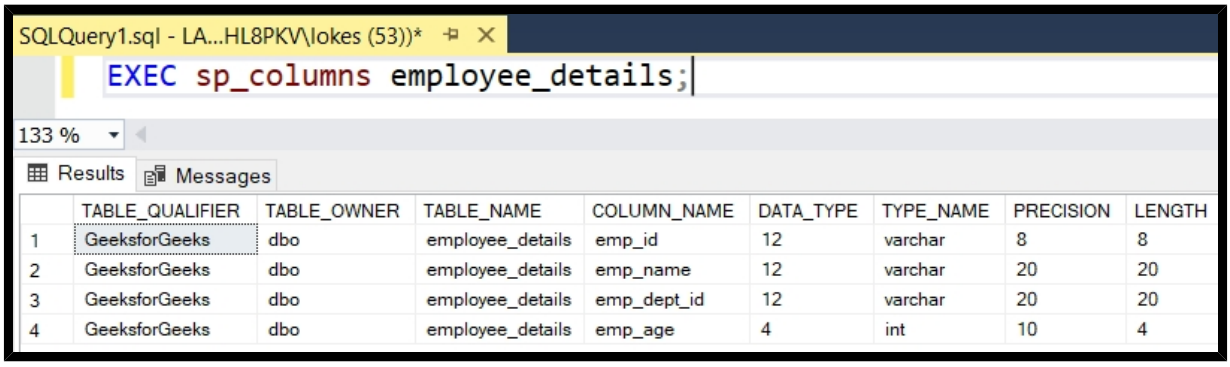


Verifying the table: To view the description of the tables in the database using the following SQL query.

Query

```
EXEC sp_columns employee_details;
```

Output



	TABLE_QUALIFIER	TABLE_OWNER	TABLE_NAME	COLUMN_NAME	DATA_TYPE	TYPE_NAME	PRECISION	LENGTH
1	GeeksforGeeks	dbo	employee_details	emp_id	12	varchar	8	8
2	GeeksforGeeks	dbo	employee_details	emp_name	12	varchar	20	20
3	GeeksforGeeks	dbo	employee_details	emp_dept_id	12	varchar	20	20
4	GeeksforGeeks	dbo	employee_details	emp_age	4	int	10	4

The Query For Inserting Rows Into The Table

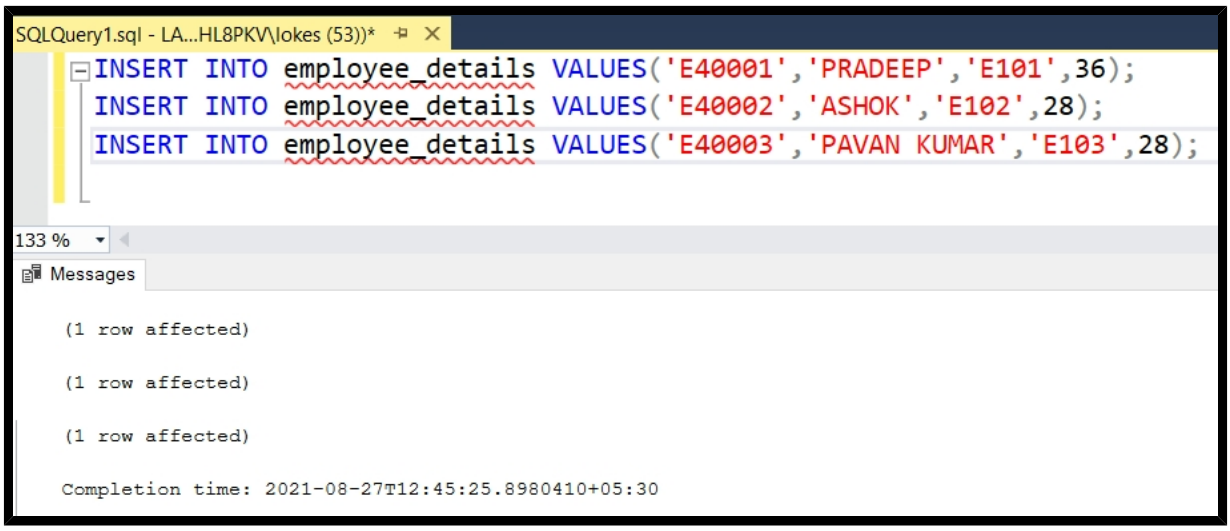
Inserting rows into employee_details table using the following SQL query:

1. Inserting individual rows into the table

Query

```
INSERT INTO employee_details
VALUES('E40001','PRADEEP','E101',36);
INSERT INTO employee_details
VALUES('E40002','ASHOK','E102',28);
INSERT INTO employee_details VALUES('E40003','PAVAN
KUMAR','E103',28);
```

Output

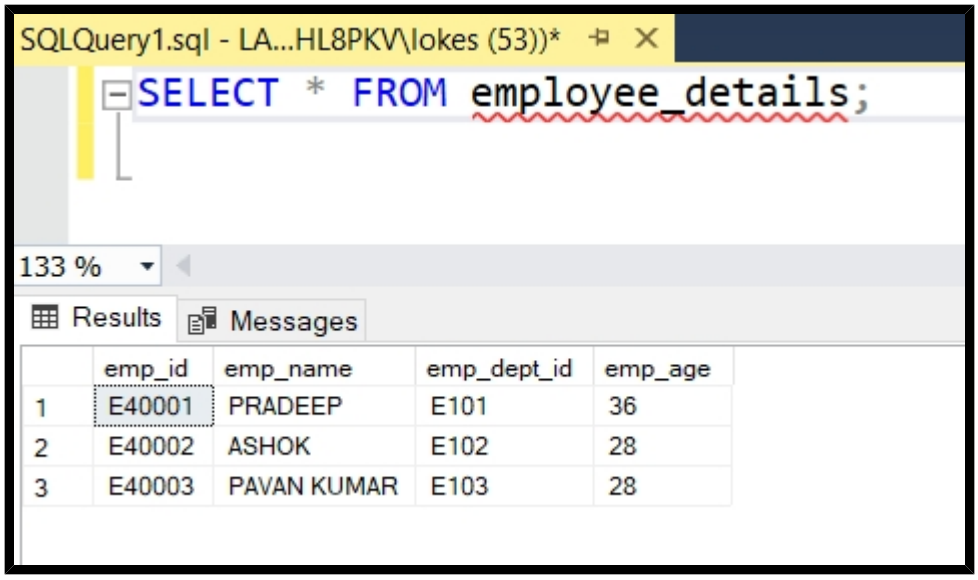


2. Viewing the inserted data

Query

```
SELECT * FROM employee_details;
```

Output



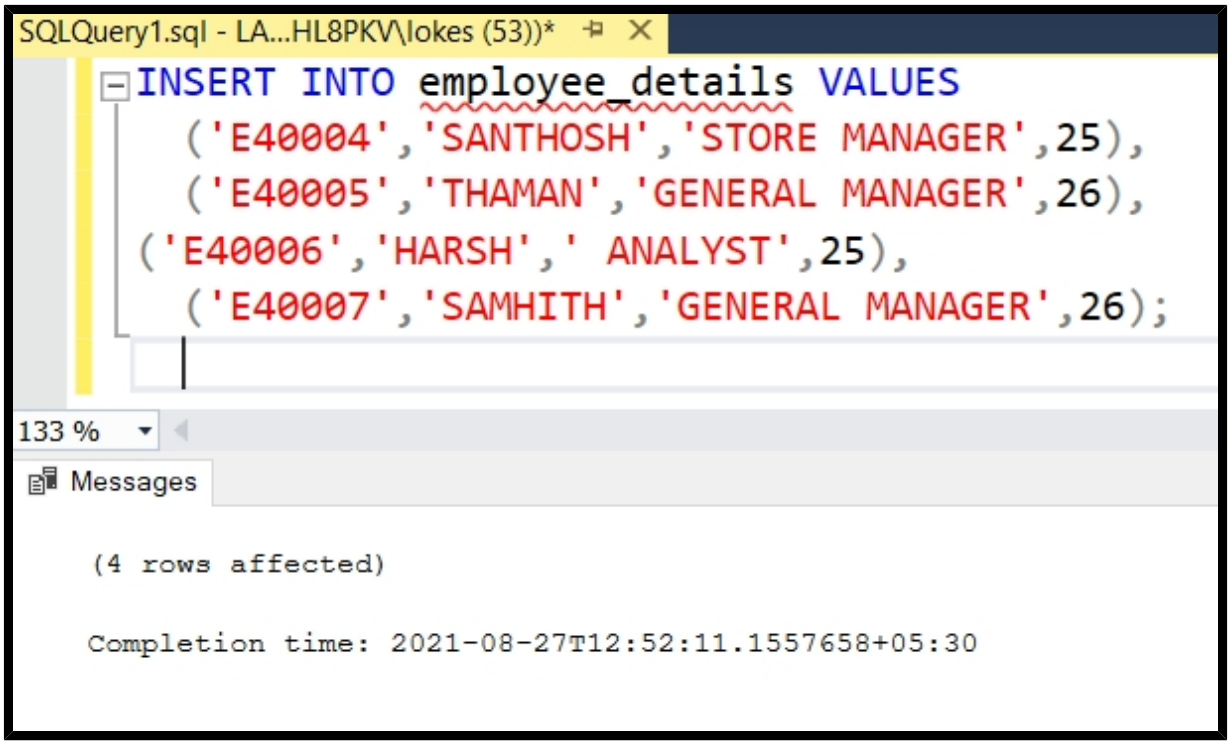
	emp_id	emp_name	emp_dept_id	emp_age
1	E40001	PRADEEP	E101	36
2	E40002	ASHOK	E102	28
3	E40003	PAVAN KUMAR	E103	28

3. Inserting multiple rows into the table

Query

```
INSERT INTO employee_details
VALUES
  ('E40004','SANTHOSH','E102',25),
  ('E40005','THAMAN','E103',26),
('E40006','HARSH','E101',25),
  ('E40007','SAMHITH','E102',26);
```

Output

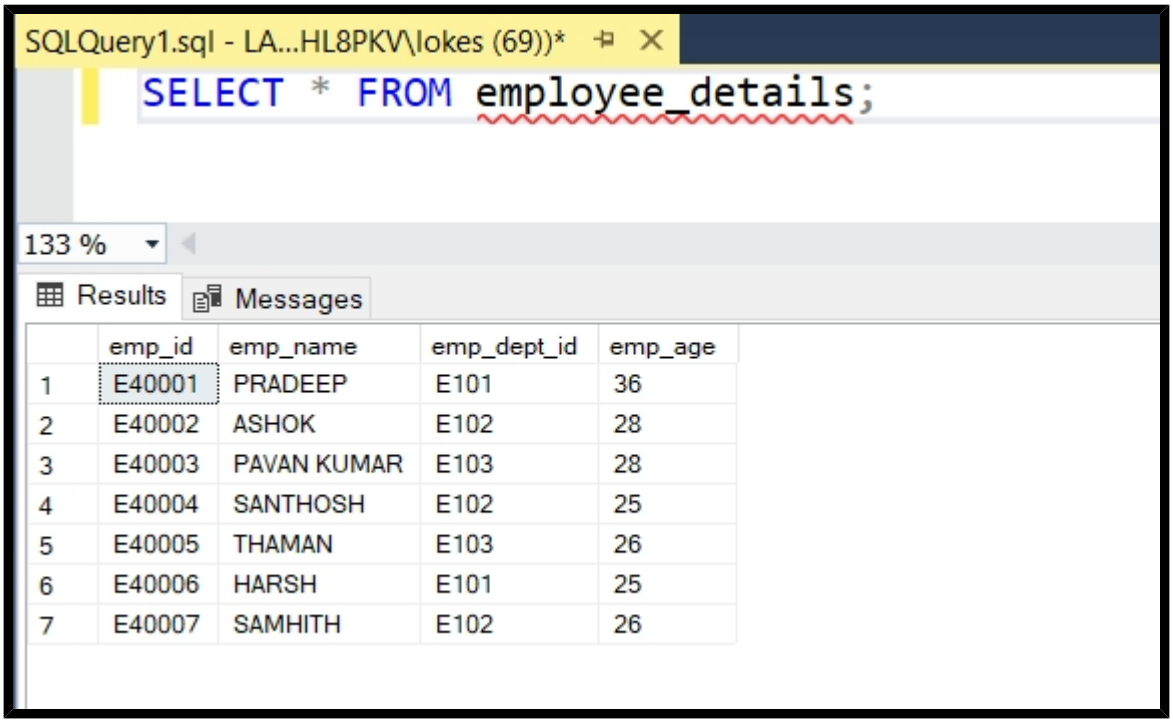


4. Viewing the inserted data now

Query

```
SELECT * FROM employee_details;
```

Output



	emp_id	emp_name	emp_dept_id	emp_age
1	E40001	PRADEEP	E101	36
2	E40002	ASHOK	E102	28
3	E40003	PAVAN KUMAR	E103	28
4	E40004	SANTHOSH	E102	25
5	E40005	THAMAN	E103	26
6	E40006	HARSH	E101	25
7	E40007	SAMHITH	E102	26