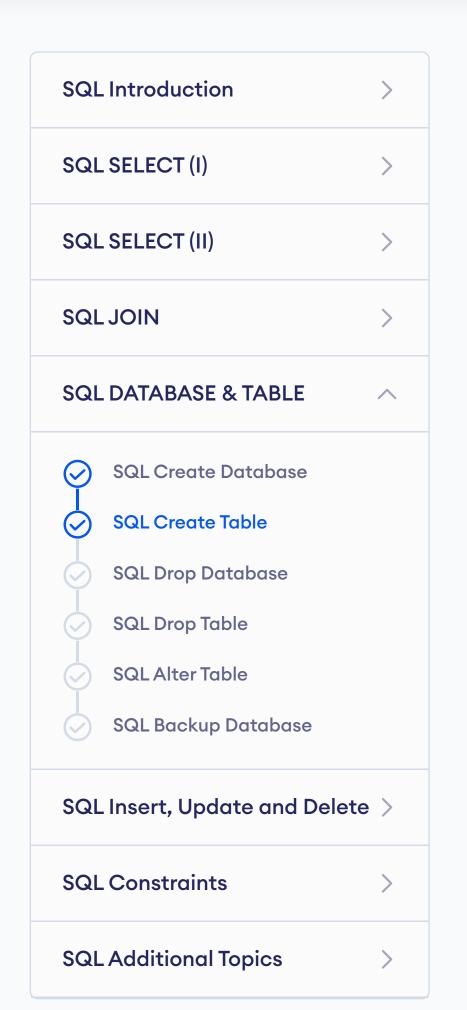






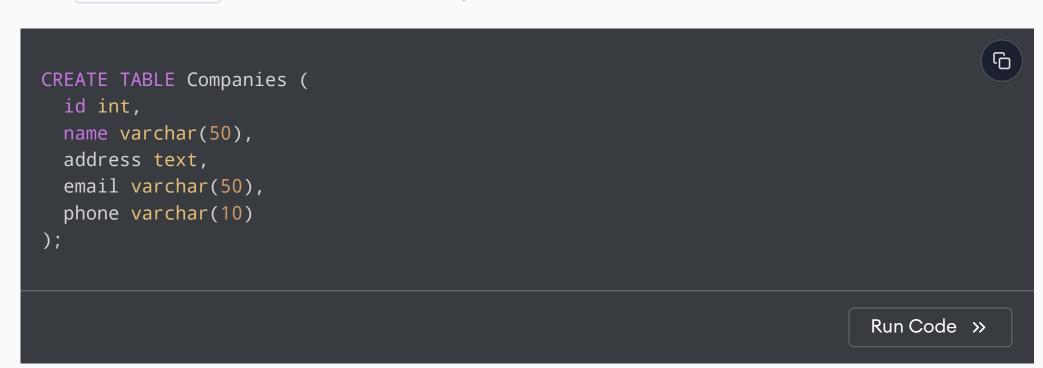
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SQL CREATE TABLE Statement

In this tutorial, we'll learn about creating tables in SQL with examples.

A database table is used to store records (data). To create a database table, we use the SQL CREATE TABLE statement. For example,



Here, the SQL command creates a database named [companies]. The table contains column (field) [id], [name], [address], [email] and [phone].

The [int], [varchar(50)] and [text] are data types that tell what data could be stored in that field. Some commonly used data types are as follows.

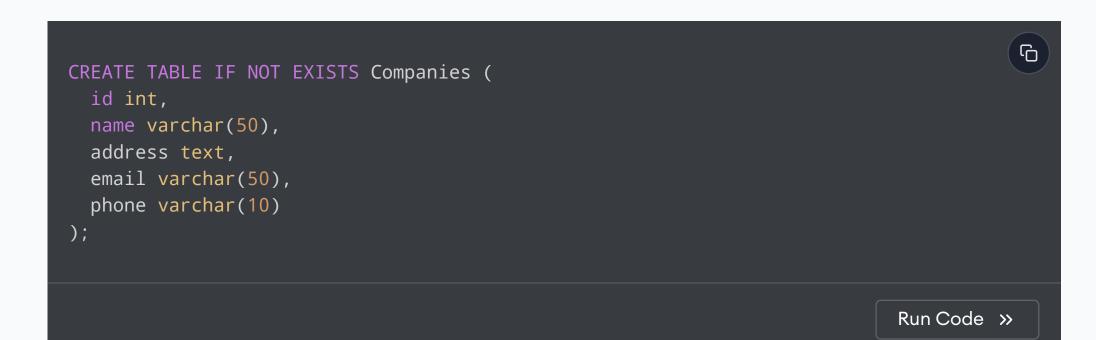
Data Type	Description	Example
int	can store numbers	400, -300
varchar(x)	can store variable characters with maximum length of x	John Doe, United States of America
text	can store texts up to 65535 characters	This is a really long paragraph that can go over lines.

Note: We must provide data types for each column while creating a table. Learn more about SQL Data Types.

Related Topics SQL ALTER TABLE Statement **SQL** Constraints SQL FOREIGN KEY SQL PRIMARY KEY **SQL NOT NULL Constraint** SQL CREATE INDEX

CREATE TABLE IF NOT EXISTS

While creating a table that already exists, throws an error. To fix this issue, we can add the optional IF NOT EXISTS command while creating a table. For example,



Here, the SQL command will only create a table if there is not one with a similar name.

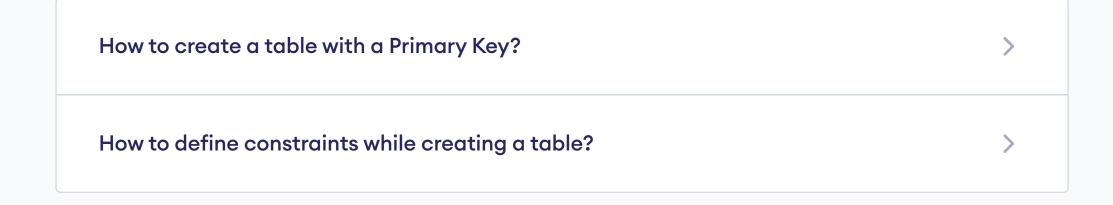
CREATE TABLE AS

We can also create a table using records from any other existing table using the CREATE TABLE AS command. For example,

```
CREATE TABLE USACustomers
AS (
 SELECT *
 FROM Customers
 WHERE country = 'USA'
```

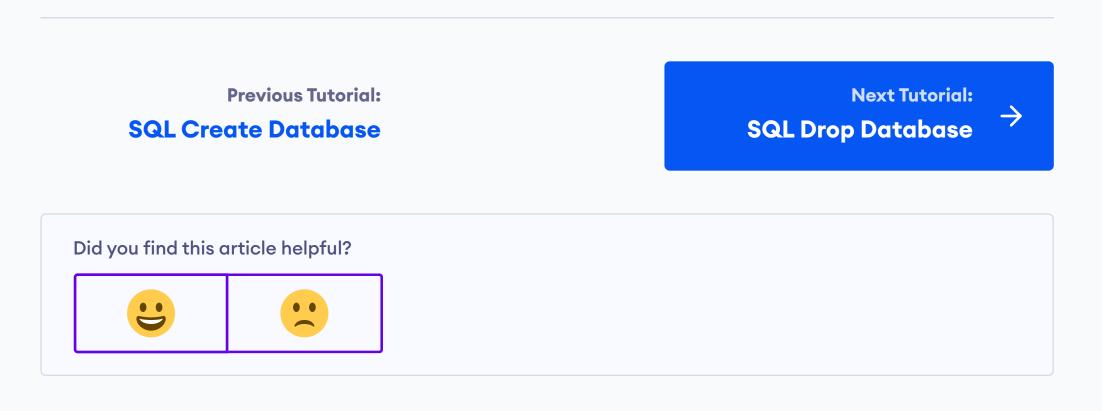
Here, the SQL command creates a table named [USACustomers] and copies the records of the nested query into the new table.

Related Topics: CREATE TABLE

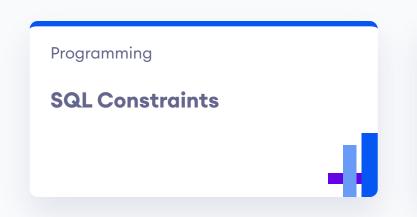


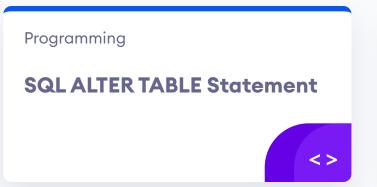
Recommended Readings

- SQL Views
- SQL CREATE DATABASE

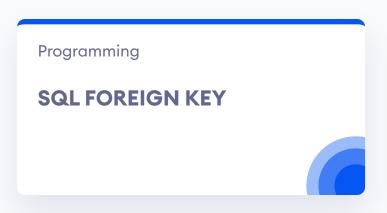


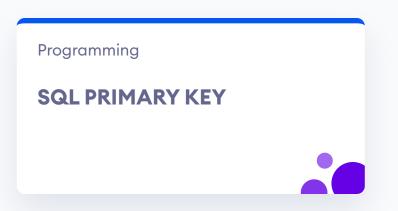
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