

# SQL

18 August 2024 21:58

## What is SQL ?

Structured Query Language is a domain-specific language used to manage data, especially in a relational database management system.

## What is it used for ?

To Manage Data

## Why is SQL important ?

SQL is the base of data management. It is a foundation skill for any data jobs.

# GETTING STARTED WITH SQL

20 November 2025

21:39

## 1. Navigate to this [link](#) (click this)

The screenshot shows the Microsoft Learn SQL Server page. On the left, there's a sidebar with a dropdown for 'Version' set to 'SQL Server 2022'. Under 'Additional resources', there's a section for 'Training' with links to 'Explore SQL Server 2022 capabilities - Training' and 'Explore SQL Server 2022 capabilities'. In the center, the main content area has a heading 'Download SQL Server Management Studio (SSMS)'. Below it, there's a 'In this article' section with links to 'Download SSMS', 'Available languages', 'What's new', and 'Previous versions'. A large blue button at the bottom right says 'Download now'.

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## 2. Scroll down and pick Express

Or, download a free specialized edition

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The screenshot compares two editions of SQL Server 2022. On the left, 'Developer' is shown as a full-featured free edition licensed for development and test databases in a non-production environment. On the right, 'Express' is described as a free edition ideal for development and production for desktop, web, and small server applications. Both editions have a 'Download now' button below their respective descriptions.

## 3. Now Open SQL management studio and click connect

The screenshot shows the Microsoft SQL Server Management Studio interface. A 'Connect to Server' dialog box is open in the foreground. It shows the 'Server type' as 'Database Engine' and 'Server name' as 'MYSERVEREXPRESS'. The 'Authentication' dropdown is set to 'Windows Authentication'. The 'User name' field contains 'VODVISHALPU'. The 'Connect' button is visible at the bottom of the dialog.

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## 4. Now click new query, now you have been successfully entered sql studio.

The screenshot shows the Microsoft SQL Server Management Studio interface. The 'Object Explorer' on the left shows a connection to 'MYSERVEREXPRESS (SQL Server)'. The main pane is titled 'New Query' and contains the SQL command 'SELECT \* FROM master.sys.databases'. The status bar at the bottom indicates 'Ready'.

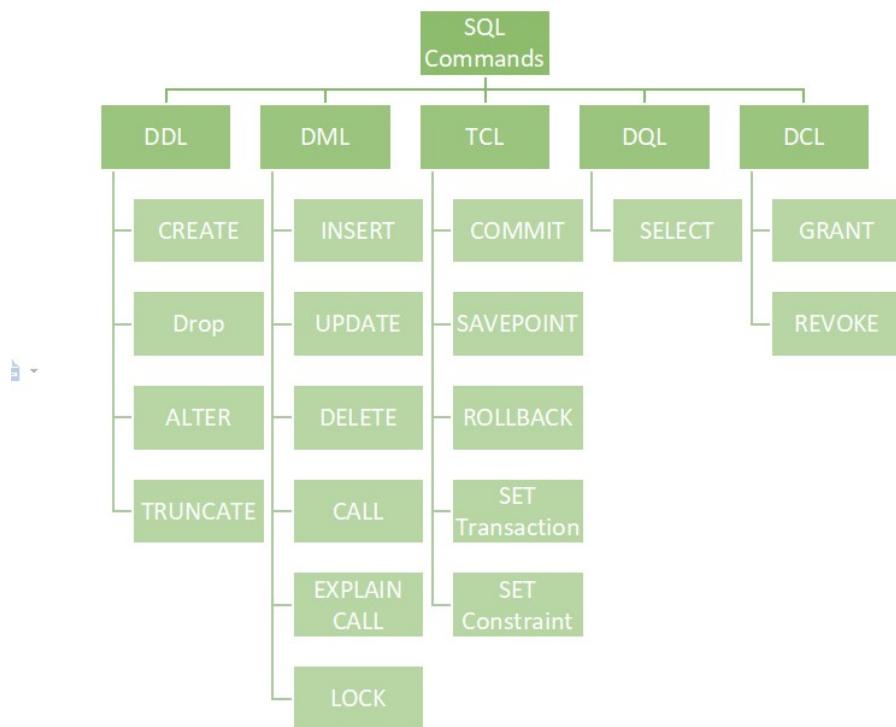
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# TYPES OF SQL COMMANDS

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There are 4 types of SQL Commands:

- Data Definition Language
- Data Manipulation Language
- Data Control Language
- Transaction Control Language
- Data Query Language



# CREATE, DROP AND INSERT

23 August 2024 15:08

## CREATE TABLE

```
CREATE TABLE Interns
(
    internId int,
    internName varchar(20),
    internAge int
)
```

## DROP TABLE

```
DROP TABLE Interns
```

## INSERT INTO

```
INSERT INTO Ceo VALUES
(21, 'Sejdina', 'Opentext', 100)
```