

# SQL Best Practices

SQL indexing best practices | How to make your database FASTER! - SQL indexing best practices | How to make your database FASTER! 4 minutes, 8 seconds - Learn about **best practices**, for using indexes in **SQL**,, and how they can be used to speed up your queries, make your database ...

Intro

Example database table

Example query

The problem with a full table scan

Using EXPLAIN ANALYZE

What is a SQL index?

How to create a single-column index

How to create a multi-column index

Optimizing our SQL query

Caveats of sql indexes

SQL Syntax Best Practices: How to Structure Your SQL Code - SQL Syntax Best Practices: How to Structure Your SQL Code 16 minutes - SQL, is not just about writing queries, you also need to make sure that your queries are performant, fast, and readable. This video ...

Intro

Example Question

Initial Solution to Refactor

Remove Multiple Nested Queries

Ensure Consistent Aliases

Remove Unnecessary ORDER BY Clauses

Remove Unnecessary Subqueries and CTEs

HAVING vs WHERE

Formatting

Conclusion

20 Years of SQL Advice in 11 Minutes - 20 Years of SQL Advice in 11 Minutes 11 minutes, 1 second - I've been working with **SQL**, for 20 years, starting with MySQL back in 2004, and gaining experience with

several other vendors.

Tip 1

Tip 2

Tip 3

Tip 4

Tip 5

Tip 6

Tip 7

Tip 8

Tip 9

Tip 10

Tip 11

Tip 12

Tip 13

Tip 14

Tip 15

Tip 16

Tip 17

Tip 18

Tip 19

Tip 20

30 SQL Tips and Tricks From 15 Years of Experience | #SQL Course 43 - 30 SQL Tips and Tricks From 15 Years of Experience | #SQL Course 43 45 minutes - ?? \*Timestamp\* 00:00 - Intro 00:19 - Golden Rule 01:50 - Tips | Fetching Data 04:37 - Tips | Filter Data 09:58 - Tips | Joining ...

Intro

Golden Rule

Tips | Fetching Data

Tips | Filter Data

Tips | Joining Data

Tips | Aggregating Data

Tips | Subqueries

Tips | DDL Creating Tables

Tips | Indexing

Final Thoughts

Secret To Optimizing SQL Queries - Understand The SQL Execution Order - Secret To Optimizing SQL Queries - Understand The SQL Execution Order 5 minutes, 57 seconds - Animation tools: Adobe Illustrator and After Effects. Checkout our bestselling System Design Interview books: Volume 1: ...

SQL Execution Plans EXPLAINED | SQL Hints | #SQL Course 40 - SQL Execution Plans EXPLAINED | SQL Hints | #SQL Course 40 32 minutes - ?? \*Timestamp\* 00:00 - Intro 00:12 - What is Execution Plan? 03:29 - Execution Plan Basics 10:22 - Execution Plan: Heap vs ...

Intro

What is Execution Plan?

Execution Plan Basics

Execution Plan: Heap vs Clustered

Execution Plan: Nonclustered

Execution Plan: Rowstore vs Columnstore

SQL Hints

How to Write Long and Complex SQL Queries For Real Reports (Step-by-Step) - How to Write Long and Complex SQL Queries For Real Reports (Step-by-Step) 56 minutes - In this video we will write a long **SQL**, query to analyze employee salary data and create a stunning report with 200+ lines of code ...

Learn how to write SQL Queries(Practice Complex SQL Queries) - Learn how to write SQL Queries(Practice Complex SQL Queries) 49 minutes - Learn how to write **SQL**, Queries(**Practice**, Complex **SQL**, Queries) In this video, I will explain the thinking behind writing an **SQL**, ...

Intro

Intro about the blog

SQL Query to fetch duplicate records from a table using window function

SQL Query to fetch doctors working in same hospital using self join

SQL Query to fetch users who logged in consecutively 3 or more times

SQL Query to fetch days when the temperature was very cold for consecutively 3 or more days

SQL, Query to fetch **top**, 2 accounts with maximum ...

6 Query Tuning Techniques - Solve 75% SQL Server Performance Problems (by Amit Bansal) - 6 Query Tuning Techniques - Solve 75% SQL Server Performance Problems (by Amit Bansal) 1 hour, 37 minutes -

Want Amit Bansal to deliver a private batch for your team members? Drop an email to [contact@sqlmaestros.com](mailto:contact@sqlmaestros.com) Want access to ...

Learn SQL for Data Analysis in one hour (with sample dataset + 50 queries) - Learn SQL for Data Analysis in one hour (with sample dataset + 50 queries) 58 minutes - SQL, is one of the most important skills to have for data people. In this comprehensive video, learn how to use **SQL**, to perform ...

Introduction

Data setup, explanation \u0026 basic queries

Adding calculated columns in SELECT

Our first WHERE clause

Ordering query results with ORDER BY

More Where clause examples

Between conditions

Working with Dates

Using other tables

IN clause

Pattern matching in SQL

CASE operator and branching logic

JOINS

LEFT Join vs. RIGHT Join ~ EXPLAINED

More Join examples

Adding conditions to Joins

GROUP BY and creating reports with SQL

Showing Top 10 Products by Amount

Closing remarks \u0026 next steps for you

Learn SQL Beginner to Advanced in Under 4 Hours - Learn SQL Beginner to Advanced in Under 4 Hours 4 hours, 4 minutes - RESOURCES: Analyst Builder - <https://www.analystbuilder.com/> Take my Full MySQL Course Here: <https://bit.ly/3tqOipr> ...

Intro

Installing MySQL and Setting up Database

Select Statement

Where Clause

Group By

Having vs Where

Limit and Aliasing

Joins

Unions

String Functions

Case Statements

Subqueries

Window Functions

CTEs

Temp Tables

Stored Procedures

Triggers and Events

Data Cleaning Project

Exploratory Data Analysis Project

Top SQL interview Questions and Answers | Most Asked SQL Questions for Job interview - Top SQL interview Questions and Answers | Most Asked SQL Questions for Job interview 22 minutes - Top SQL, interview Questions and Answers | Most Asked **SQL**, Questions for Job interview Want more similar videos-hit like, ...

SQL - Complete Course in 3 Hours | SQL One Shot using MySQL - SQL - Complete Course in 3 Hours | SQL One Shot using MySQL 3 hours, 16 minutes - Early bird offer for first 5000 students only! International Student (payment link) - <https://buy.stripe.com/7sI00cdru0tg10saEQ> ...

Start

Introduction to SQL

What is database?

Types of databases

Installation of MySQL

Database Structure

What is table?

Creating our first database

Creating our first table

SQL Datatypes

Types of SQL Commands

Database related queries

Table related queries

SELECT Command

INSERT Command

Practice Questions

Keys

Constraints

SELECT Command in Detail

Where Clause

Operators

Limit Clause

Order By Clause

Aggregate Functions

Group By Clause

Practice Questions

Having Clause

General Order of Commands

UPDATE Command

DELETE Command

Revisiting Foreign Keys

Cascading Foreign Keys

ALTER Command

CHANGE and MODIFY Commands

TRUNCATE Command

JOINS in SQL

UNION in SQL

SQL Sub Queries

## MySQL Views

Roadmap for Learning SQL - Roadmap for Learning SQL 4 minutes, 52 seconds - Animation tools: Adobe Illustrator and After Effects. Checkout our bestselling System Design Interview books: Volume 1: ...

## Introduction

## SQL Operations

## SQL Functions

## Conclusion

SQL tutorial from basic to advance in one complete video | SQL Full Course in Hindi - SQL tutorial from basic to advance in one complete video | SQL Full Course in Hindi 8 hours, 3 minutes - Master **SQL**, in One Complete Video! Whether you're a beginner or looking to enhance your **SQL**, skills, this all-in-one tutorial ...

## Intro

## What is SQL

## Types of command

## Create Database and Table in SQL

## Inserting data in Table in SQL

## Deleting rows, and columns From Table

## Update data in SQL

## Update data using SQL Toolbar

## Query toolbar in SQL

## Alter Column and Datatype in SQL

## Assignment with Solution

## How to import CSV File into SQL

## How to import CSV File Directly into SQL

## Types of Operators in SQL

## Comparison Operators in SQL

## Logical Operators in SQL

## Between Like and In Operator in SQL

## Other Operators in SQL

## Set Operators in SQL

## Functions in SQL

String Functions in SQL

Date & Time Functions in SQL

Date & Time Functions in SQL - II

Conditional Functions in SQL

Assignment on Case Functions in SQL

COALESCE Function in SQL

Window Function in SQL

How to use Joins in SQL

How to use Joins in SQL - II

TOP 10 SQL Best Practices - TOP 10 SQL Best Practices 6 minutes, 12 seconds - In this video , I have discussed top 10 **SQL Best Practices**.. Writing SQL query by adopting best practices improves the readability ...

5 Best SQL Websites to Practice & Learn Interview Questions for FREE - 5 Best SQL Websites to Practice & Learn Interview Questions for FREE by Rishabh Mishra 324,074 views 2 years ago 33 seconds – play Short - Practice SQL, Interview questions asked by **top**, tech companies FOR FREE on DataLemur. Made by Nick Singh, **Best**,- Selling ...

SQL Query Optimization and performance tuning tips | SQL Tutorial for Beginners | SQL Interview tips - SQL Query Optimization and performance tuning tips | SQL Tutorial for Beginners | SQL Interview tips 8 minutes, 22 seconds - Unlock the secrets to efficient **SQL**, query optimization and performance tuning with our comprehensive tutorial designed for ...

Microsoft Access Fitness Database Part 15: Redesign - Merging Food List and Food Form - Microsoft Access Fitness Database Part 15: Redesign - Merging Food List and Food Form 28 minutes - We will go over **best practices**, for backing up your database before making major changes, updating form layouts, modifying ...

Solve 70 SQL Questions in 3 hrs | Ultimate SQL Practice | Master SQL - Solve 70 SQL Questions in 3 hrs | Ultimate SQL Practice | Master SQL 2 hours, 58 minutes - ... Interview Questions SQL Practice SQL Projects SQL Tips and Tricks SQL Performance Tuning SQL Security **SQL Best Practices**, ...

My Indexing Strategy for Every SQL Project | Indexing Best Practices | #SQL Course 41 - My Indexing Strategy for Every SQL Project | Indexing Best Practices | #SQL Course 41 19 minutes - ?? \*Timestamp\* 00:00 - Intro 00:50 - The Golden Rule 03:07 - Phase 1: Initial Indexing Strategy 09:24 - Phase 2: Usage Patterns ...

Intro

The Golden Rule

Phase 1: Initial Indexing Strategy

Phase 2: Usage Patterns

Phase 3: Scenario-Based Indexing



## Phase 4: Monitoring \u0026amp; Maintenance

### Summary Indexing Strategy

Best Practices - Best Practices by Brent Ozar Unlimited 5,863 views 2 weeks ago 54 seconds – play Short - #sqlserver #sql, #dba #database #azure #microsoft #hacks #tips #brentozar #pollgab #computerscience #computerconsulting ...

Biggest SQL **\*\*MISTAKE\*\*** Beginners Still Make! - Biggest SQL **\*\*MISTAKE\*\*** Beginners Still Make! by Manish Sharma 8,334 views 1 month ago 35 seconds – play Short - Want to know the secret to keeping your furniture looking brand new for years to come? It starts with one simple rule: never touch ...

SQL Stored Procedures - What They Are, Best Practices, Security, and More... - SQL Stored Procedures - What They Are, Best Practices, Security, and More... 44 minutes - Microsoft **SQL**, can be confusing. There are a TON of features, options, and settings to consider when attempting to use it. One of ...

#### Intro

Demo Data Base overview

Creating new stored procedure

Calling the stored procedure

Changing existing stored procedure

Stored procedure with variables

Stored procedures: Recap

Benefits of stored procedures: Security

DB security: Users and Roles

Other benefits of stored procedures

Drawbacks: No source control

Drawbacks: Business logic in DB

Drawbacks: Using Entity Framework

Summary and concluding remarks

Azure SQL Database Types, Costs and Use Cases | Azure Masterclass - Azure SQL Database Types, Costs and Use Cases | Azure Masterclass 17 minutes - Need help choosing the right Azure **SQL**, product? In this Masterclass, we talk about Azure **SQL**, Database, Azure **SQL**, Managed ...

#### Intro

Overview of SQL Products in Azure

Azure SQL Database Overview

SQL Managed Instance Overview

SQL Server on Azure VM Overview

Azure SQL Database Pricing

Azure Managed Instance Pricing

SQL Server on Azure VM Pricing

Building an Azure SQL Database in the Portal

Building a SQL Managed Instance in the Portal

SQL Server on Azure VM in Depth

Azure SQL Database Use Case

Azure Managed Instance Use Case

SQL Server on Azure VM Use Case

Useful Qualifications

Thanks for watching

Bloopers

ALLSELECTED best practices - ALLSELECTED best practices 21 minutes - Learn the **best practices**, for ALLSELECTED to avoid falling into the pitfalls of this powerful, yet dangerous function! Article and ...

SQL Full Course for Beginners (30 Hours) – From Zero to Hero - SQL Full Course for Beginners (30 Hours) – From Zero to Hero 29 hours - \*Table of Content\* \_\_\_\_ Beginner Level\_\_\_\_ 00:00 Intro 07:38 Introduction to **SQL**, 22:33 Setup Your Environment 34:01 Query ...

7 Database Design Mistakes to Avoid (With Solutions) - 7 Database Design Mistakes to Avoid (With Solutions) 11 minutes, 29 seconds - Designing a database is an important part of implementing a feature or creating a new application (assuming you need to store ...

Intro

Mistake 1 - business field as primary key

Mistake 2 - storing redundant data

Mistake 3 - spaces or quotes in table names

Mistake 4 - poor or no referential integrity

Mistake 5 - multiple pieces of information in a single field

Mistake 6 - storing optional types of data in different columns

Mistake 7 - using the wrong data types and sizes

6 SQL Joins you **MUST** know! (Animated + Practice) - 6 SQL Joins you **MUST** know! (Animated + Practice) 9 minutes, 47 seconds - To **practice SQL**,, run the following commands: docker run --detach --name my-postgres --env ...

Intro

Primary and Foreign keys

Inner Join

Left Join

Right Join

Full Join

Union

Cross Join

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Keyboard shortcuts

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General

Subtitles and closed captions

Spherical videos

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