

Beginning Sql Joes 2 Pros The Sql Hands On Guide For Beginners

Beginning Sql Joes 2 Pros The Sql Hands On Guide For Beginners Beginning SQL From Joes to Pros The HandsOn Guide for Beginners Imagine this youre drowning in a sea of spreadsheets each one a tiny island of data desperately trying to find the connection between them Youre Joe a data novice battling Excels limitations But what if there was a magic bridge connecting all those islands revealing hidden treasures and insights That bridge my friend is SQL This article is your passport to mastering SQL transforming you from a datadrowning Joe to a SQLsavvy pro Well navigate the fundamentals with clear explanations practical examples and relatable anecdotes no prior experience needed Chapter 1 The Lost City of Data Our journey begins in the realm of disorganized data Imagine a bustling city with no street signs no maps just scattered houses spreadsheets each holding vital information but impossible to navigate efficiently Finding a specific address data point requires painstaking manual searches This is the reality for many before discovering SQL SQL or Structured Query Language is the key to unlocking this lost city Its a powerful language specifically designed to interact with databases organized collections of information Think of a database as a wellplanned city with clearly marked streets numbered houses tables and efficient methods for finding any location data Chapter 2 Building Blocks of SQL Tables and Relationships Lets start with the basics Databases are built upon tables think of them as organized spreadsheets Each table has rows individual records and columns fields of information For example a Customers table might have columns like CustomerID Name Address and Email But tables rarely exist in isolation Theyre often related like interconnected pieces of a puzzle This is where the magic of SQL joins comes into play Imagine you have two tables Customers and Orders Each order is linked to a customer To find all orders placed by a specific customer youd use a SQL JOIN the bridge 2 connecting these tables This is like finding a specific address in our city using its street address and house number Chapter 3 The SQL Verbs Your Command of the Database SQL operates through a set of commands often called verbs These are the tools you use to interact with your database Lets explore a few key verbs SELECT This is your primary data retrieval tool Its like asking the citys information desk Show me all houses rows with blue roofs a specific condition For instance SELECT FROM Customers retrieves all data from the Customers table WHERE This clause lets you filter your results honing in on specific data Think of it as narrowing down your city search to a specific neighborhood For example SELECT FROM Customers WHERE Country USA shows only customers from the USA FROM This indicates the table youre querying Its like telling the citys information desk which area youre interested in INSERT INTO This command lets you add new records houses to your database UPDATE Use this to modify existing data like repainting a house in the city DELETE FROM This command used cautiously removes records from your database Chapter 4 HandsOn Practice Simple Queries Lets get our hands dirty Consider these simple SQL queries Retrieve all customer names SELECT Name FROM Customers Retrieve customers from a specific city SELECT FROM Customers WHERE City New York Retrieve order details for a particular customer SELECT FROM Orders JOIN Customers ON OrdersCustomerID CustomersCustomerID WHERE CustomersCustomerID 1 These examples demonstrate the power and simplicity of SQL By combining these verbs and understanding table relationships you can extract any information you need from your database Chapter 5 Beyond the Basics Aggregates and Grouping Once youve mastered the basics the world of SQL expands

dramatically Aggregate functions allow you to perform calculations on your data providing valuable summaries COUNT SUM AVG MIN and MAX are your friends here The GROUP BY clause 3 lets you group your results giving you powerful insights For instance SELECT COUNT FROM Orders tells you the total number of orders and SELECT COUNT FROM Orders GROUP BY CustomerID tells you the number of orders placed by each customer Chapter 6 From Joe to SQL Pro Your Actionable Takeaways Youve journeyed from datadrowning Joe to a confident SQL user Heres your action plan 1 Practice consistently The best way to learn SQL is through practice Use online tutorials sample datasets or even create your own small database to experiment 2 Start simple Dont try to conquer everything at once Master the basics before moving to advanced topics 3 Break down complex queries Large complex queries can seem daunting Break them into smaller manageable parts to improve understanding and debugging 4 Embrace online resources The SQL community is vast and supportive Utilize online forums documentation and tutorials to overcome challenges 5 Never stop learning SQL is constantly evolving so stay updated with new features and techniques Frequently Asked Questions FAQs 1 What database system should I use to practice SQL Many free and opensource options exist like MySQL PostgreSQL and SQLite SQLite is particularly easy to set up for beginners 2 Where can I find practice datasets Numerous websites offer free datasets for SQL practice Kaggle and UCI Machine Learning Repository are excellent resources 3 Is SQL difficult to learn No SQLs syntax is relatively straightforward making it accessible to beginners Consistent practice is key 4 What are the career opportunities for SQL professionals SQL skills are highly sought after in various industries including data analysis business intelligence web development and database administration 5 How long does it take to become proficient in SQL This depends on your learning style and commitment With consistent practice you can achieve a good level of proficiency within a few months Your journey from Joe to SQL pro has just begun Embrace the challenges celebrate your 4 successes and remember that mastering SQL unlocks a world of datadriven possibilities The lost city is now within your reach

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healthcare is the next frontier for data science using the latest in machine learning deep learning and natural language processing you ll be able to solve healthcare s most pressing problems reducing cost of care ensuring patients get the best treatment and increasing accessibility for the underserved but first you have to learn how to access and make sense of all that data this book provides pragmatic and hands on solutions for working with healthcare data from data extraction to cleaning and harmonization to feature engineering author andrew nguyen covers specific ml and deep learning examples with a focus on producing high quality data you ll discover how graph technologies help you connect disparate data sources so you can solve healthcare s most challenging problems using advanced analytics you ll learn different types of healthcare data electronic health records clinical registries and trials digital health tools and claims data the challenges of working with healthcare data especially when trying to aggregate data from multiple sources current options for extracting structured data from clinical text how to make trade offs when using tools and frameworks for normalizing structured healthcare data how to harmonize healthcare data using terminologies ontologies and mappings and crosswalks

although today s job market requires it professionals to understand cloud computing theories and have hands on skills for developing real world database systems there are few books available that integrate coverage of both filling this void cloud database development and management explains how readers can take advantage of the cloud environment

no detailed description available for microsoft access 2016 programming by example

an advanced c beginners guide to some of the tougher parts of the c language about this book learn c visual studio and object oriented programming get practical examples of advanced c language features so that you can easily master them yourself use the c programming language to work generics and lambda expressions program c and sql server 2017 get ready for your first mvc applications who this book is for this book is for anyone who is interested in learning how to program the more advanced aspects of the c language previous programming knowledge of c is required at least to the level of basic object oriented programming readers can benefit from first reading tom owsiak s companion book beginning c 7 hands on the core language as a preparation for the more advanced elements and techniques presented in this book what you will learn learn c advanced language elements and techniques discover advanced c techniques with hands on working examples build on your knowledge of oop by using c generics and lambda expressions work with c and linq custom data types program c and sql server 2017 to manage and query data create your first full mvc application in detail beginning c 7 hands on advanced language features assumes that you ve mastered the basic elements of the c language and that you re now ready to learn the more advanced c language and syntax line by line in a working visual studio environment you ll learn how to code advanced c language topics including generics lambda expressions and anonymous methods you ll learn to use query syntax to construct queries and deploy queries that perform aggregation functions work with c and sql server 2017 to

perform complex joins and stored procedures explore advanced file access methods and see how to serialize and deserialize objects all by writing working lines of code that you can run within visual studio this book is designed for beginner c developers who have mastered the basics now and anyone who needs a fast reference to using advanced c language features in practical coding examples you ll also take a look at c through web programming with web forms by the time you ve finished this book you ll know all the critical advanced elements of the c language and how to program everything from c generics to xml linq and your first full mvc web applications these are the advanced building blocks that you can then combine to exploit the full power of the c programming language line by line style and approach a comprehensive book that blends theory with just the right amount of practical code implementations to help you get up and running with the c programming language and its advanced features you ll also get to work with other tools and technologies that complement c programming each core part of the c language is coded as you learn and code output is tested every time to verify the syntax is working as expected so it s easy for you to learn directly from the working code examples advanced level features of c will be used to code and work through examples

implement machine learning cognitive services and artificial intelligence solutions by leveraging azure cloud technologies key featureslearn advanced concepts in azure ml and the cortana intelligence suite architectureexplore ml server using sql server and hdinsight capabilitiesimplement various tools in azure to build and deploy machine learning modelsbook description implementing machine learning ml and artificial intelligence ai in the cloud had not been possible earlier due to the lack of processing power and storage however azure has created ml and ai services that are easy to implement in the cloud hands on machine learning with azure teaches you how to perform advanced ml projects in the cloud in a cost effective way the book begins by covering the benefits of ml and ai in the cloud you will then explore microsoft s team data science process to establish a repeatable process for successful ai development and implementation you will also gain an understanding of ai technologies available in azure and the cognitive services apis to integrate them into bot applications this book lets you explore prebuilt templates with azure machine learning studio and build a model using canned algorithms that can be deployed as web services the book then takes you through a preconfigured series of virtual machines in azure targeted at ai development scenarios you will get to grips with the ml server and its capabilities in sql and hdinsight in the concluding chapters you ll integrate patterns with other non ai services in azure by the end of this book you will be fully equipped to implement smart cognitive actions in your models what you will learndiscover the benefits of leveraging the cloud for ml and aiuse cognitive services apis to build intelligent botsbuild a model using canned algorithms from microsoft and deploy it as a web servicedeploy virtual machines in ai development scenariosapply r python sql server and spark in azurebuild and deploy deep learning solutions with cntk mmlspark and tensorflowimplement model retraining in iot streaming and blockchain solutionsexplore best practices for integrating ml and ai functions with adla and logic appshow this book is for if you are a data scientist or developer familiar with azure ml and cognitive services and want to create smart models and make sense of data in the cloud this book is for you you ll also find this book useful if you want to bring powerful machine learning services into your cloud applications some experience with data manipulation and processing using languages like sql python and r will aid in understanding the concepts covered in this book

explore and work with various microsoft azure services for real time data analytics key features[] understanding what azure can do with your data understanding the analytics services offered by azure understand how data can be transformed to generate more data understand what is done after a machine learning model is built[] go through some data analytics real world use cases [] description[]

data is the key input for analytics building and implementing data platforms such as data lakes modern data marts and analytics at scale require the right cloud platform that azure provides through its services the book starts by sharing how analytics has evolved and continues to evolve following the introduction you will deep dive into ingestion technologies you will learn about data processing services in azure you will next learn about what is meant by a data lake and understand how azure data lake storage is used for analytical workloads you will then learn about critical services that will provide actual machine learning capabilities in azure the book also talks about azure data catalog for cataloging azure ad for access management apps and powerapps for cloud web applications cognitive services for speech vision search and language azure vm for computing and data science vms functions as serverless computing kubernetes and containers as deployment options towards the end the book discusses two use cases on analytics what will you learn explore and work with various azure services orchestrate and ingest data using azure data factory learn how to use azure stream analytics get to know more about synapse analytics and its features learn how to use azure analysis services and its functionalities who this book is for this book is for anyone who has basic to intermediate knowledge of cloud and analytics concepts and wants to use microsoft azure for data analytics this book will also benefit data scientists who want to use azure for machine learning

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structured query language an introduction provides a comprehensive tutorial and reference for database programmers of all skill levels using the open source database postgresql as a reference the reader is taken from the basics of creating a database setting permissions and designing and implementing tables the reader is introduced to searching for records in the database using queries adding new data updating existing data and deleting data advanced topics are also included such as the creation and usage of indices for faster queries the use of transactions to ensure database integrity design and implementation of primary keys foreign keys and alternate keys joining multiple tables in a single query and database security

master databricks to transform data into strategic insights for tomorrow s business challenges key features combines theory with practical steps to master databricks delta lake and mlflow real world examples from fmcg and cpg sectors demonstrate databricks in action covers real time data processing ml integration and ci cd for scalable pipelines offers proven strategies to optimize workflows and avoid common pitfalls book descriptionin today s data driven world mastering data engineering is crucial for driving innovation and delivering real business impact databricks is one of the most powerful platforms which unifies data analytics and ai requirements of numerous organizations worldwide mastering data engineering and analytics with databricks goes beyond the basics offering a hands on practical approach tailored for professionals eager to excel in the evolving landscape of data engineering and analytics this book uniquely blends foundational knowledge with advanced applications equipping readers with the expertise to build optimize and scale data pipelines that meet real world business needs with a focus on actionable learning it delves into complex workflows including real time data processing advanced optimization with delta lake and seamless ml integration

with mlflow skills critical for today's data professionals drawing from real world case studies in fmcg and cpg industries this book not only teaches you how to implement databricks solutions but also provides strategic insights into tackling industry specific challenges from setting up your environment to deploying ci cd pipelines you ll gain a competitive edge by mastering techniques that are directly applicable to your organization's data strategy by the end you ll not just understand databricks you ll command it positioning yourself as a leader in the data engineering space what you will learn design and implement scalable high performance data pipelines using databricks for various business use cases optimize query performance and efficiently manage cloud resources for cost effective data processing seamlessly integrate machine learning models into your data engineering workflows for smarter automation build and deploy real time data processing solutions for timely and actionable insights develop reliable and fault tolerant delta lake architectures to support efficient data lakes at scale

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a fast hands on introduction to offensive hacking techniques hands on hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real world risks to computer networks and data readers will benefit from the author's years of experience in the field hacking into computer networks and ultimately training others in the art of cyber attacks this book holds no punches and explains the tools tactics and procedures used by ethical hackers and criminal crackers alike we will take you on a journey through a hacker's perspective when focused on the computer infrastructure of a target company exploring how to access the servers and data once the information gathering stage is complete you ll look for flaws and their known exploits including tools developed by real world government financed state actors an introduction to the same hacking techniques that malicious hackers will use against an organization written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws based on the tried and tested material used to train hackers all over the world in the art of breaching networks covers the fundamental basics of how computer networks are inherently vulnerable to attack teaching the student how to apply hacking skills to uncover vulnerabilities we cover topics of breaching a company from the external network perimeter hacking internal enterprise systems and web application vulnerabilities delving into the basics of exploitation with real world practical examples you won't find any hypothetical academic only attacks here from start to finish this book will take the student through the steps necessary to breach an organization to improve its security written by world renowned cybersecurity experts and educators hands on hacking teaches entry level professionals seeking to learn ethical hacking techniques if you are looking to understand penetration testing and ethical hacking this book takes you from basic methods to advanced techniques in a structured learning format

finally a book for the true sql server beginner whether you are brand new to data bases and are thinking of getting your 70 461 certification or already a semi pro working in the field and need some fingertip support this is this is the book for you joes 2 pros does not assume you already know anything about data bases or sql server the author rick morelan started out as a true beginner after he

decided he had had enough of working on a fishing boat in alaska rick struggled for years to acquire the knowledge necessary just to get his foot in the door many years later as an instructor who was not happy with the instructional material available for his sql students he began the process of creating his own material in 2009 rick released his first book beginning sql joes 2 pros the sql hands on guide for beginners for sql 2008 due to its clear writing style easy to follow images and free downloadable labs it quickly became a top seller on amazon this book builds on the success of the previous series and will help anyone transform themselves from a beginner joe into a sql 2012 pro for those of you who have read the 2008 series for the 70 433 exam you will find a lot of the same material from the sql 2008 book in this sql 2012 book this is because much of the 70 461 test covers the same material as the 70 433 i have added material that is new to the test and removed material that is no longer relevant if you have already read this series or have already passed the 70 433 exam you may choose to read my book which covers only the changes from 70 433 to 70 461 entitled joes 2 pros sql 2012 queries 70 461 exam for sql 2008 pros

discover techniques to summarize the characteristics of your data using pyplot numpy scipy and pandas key featuresunderstand the fundamental concepts of exploratory data analysis using pythonfind missing values in your data and identify the correlation between different variablespractice graphical exploratory analysis techniques using matplotlib and the seaborn python packagebook description exploratory data analysis eda is an approach to data analysis that involves the application of diverse techniques to gain insights into a dataset this book will help you gain practical knowledge of the main pillars of eda data cleaning data preparation data exploration and data visualization you ll start by performing eda using open source datasets and perform simple to advanced analyses to turn data into meaningful insights you ll then learn various descriptive statistical techniques to describe the basic characteristics of data and progress to performing eda on time series data as you advance you ll learn how to implement eda techniques for model development and evaluation and build predictive models to visualize results using python for data analysis you ll work with real world datasets understand data summarize its characteristics and visualize it for business intelligence by the end of this eda book you ll have developed the skills required to carry out a preliminary investigation on any dataset yield insights into data present your results with visual aids and build a model that correctly predicts future outcomes what you will learnimport clean and explore data to perform preliminary analysis using powerful python packagesidentify and transform erroneous data using different data wrangling techniquesexplore the use of multiple regression to describe non linear relationshipsdiscover hypothesis testing and explore techniques of time series analysisunderstand and interpret results obtained from graphical analysisbuild train and optimize predictive models to estimate resultsperform complex eda techniques on open source datasetswho this book is for this eda book is for anyone interested in data analysis especially students statisticians data analysts and data scientists the practical concepts presented in this book can be applied in various disciplines to enhance decision making processes with data analysis and synthesis fundamental knowledge of python programming and statistical concepts is all you need to get started with this book

the database and expert systems application dexta conferences are mainly oriented to establish a state of the art forum on database and expert system applications but practice without theory has no sense as leonardo said five centuries ago in this conference we try a compromise between these two complementary aspects a total of 5 sessions are application oriented ranging from classical applications to more unusual ones in software engineering recent research aspects in databases such as activity deductivity and or object orientation are also present in dexta 92 as well as the implication of the new data models such as oo model deductive model etc included in the modelling sessions other

areas of interest such as hyper text and multimedia application together with the classical field of information retrieval are also considered finally implementation aspects are reflected in very concrete fields a total of of nearly 200 papers submitted from all over the world were sent to dexa 92 only 90 could be accepted a poster session has also been established dexa 90 was held in vienna austria dexa 91 in berlin germany and dexa 92 will take place in valencia spain where we are celebrating the discovery of the new world just five centuries ago in leonardo s age both the quality of the conference and the compromise between practice and theory are due to the credit of all the dexa 92 authors

unleash the power of pycharm to craft business scientific and web applications in python with this definitive guide key features learn basic to advanced pycharm concepts to improve developer efficiency on your python projects learn with practical examples that focus on efficient application development explore features such as code automation graphical debugging and remote development purchase of the print or kindle book includes a free pdf ebook book description in the quest to develop robust professional grade software with python and meet tight deadlines it s crucial to have the best tools at your disposal in this second edition of hands on application development with pycharm you ll learn tips and tricks to work at a speed and proficiency previously reserved only for elite developers to achieve that you ll be introduced to pycharm the premiere professional integrated development environment for python programmers among the myriad of ides available regardless of how python is utilized whether for general automation scripting utility creation web applications data analytics machine learning or business applications pycharm offers tooling that simplifies complex tasks and streamlines common ones in this book you ll find everything you need to harness pycharm s full potential and make the most of pycharm s productivity shortcuts the book comprehensively covers topics ranging from installation and customization to web development database management and data analysis pipeline development helping you become proficient in python application development in diverse domains by the end of this book you ll have discovered the remarkable capabilities of pycharm and how you can achieve a new level of capability and productivity what you will learn explore basic and advanced pycharm features set up configure and customize your python projects in pycharm develop web applications with flask django fastapi and pyramid discover pycharm s capabilities for database management and data visualization explore code automation debugging and remote development in pycharm perform data science tasks using jupyter notebooks numpy and pandas who this book is for this book is for python practitioners and learners looking to boost their productivity and proficiency by harnessing the features and capabilities of pycharm all while gaining insights into best practices for modern application development basic knowledge of python is required making the book accessible to both newcomers and experienced python developers

i am not a recruiter i am a software engineer and as such i know what it s like to be asked to whip up brilliant algorithms on the spot and then write flawless code on a whiteboard i know because i ve been asked to do the same thing in interviews at google microsoft apple and amazon among other companies according to the last year and this year data that we have collected from different sources more than 5 67 000 students and it professionals gone through this book and successfully secured their jobs in it industry and other industries as well i also know because i ve been on the other side of the table asking candidates to do this i ve combed through stacks of resumes to find the engineers who i thought might be able to actually pass these interviews and i ve debated in google s hiring committee whether or not a candidate did well enough to merit an offer i understand and have experienced the full hiring circle and you reader are probably preparing for an interview perhaps tomorrow next week or next year you likely have or are working towards a computer science or related degree i am not here to re teach you the basics of what a binary search tree is or how to traverse a linked list you already

know such things and if not there are plenty of other resources to learn them this book is here to help you take your understanding of computer science fundamentals to the next level to help you apply those fundamentals to crack the coding interview because while the fundamentals are necessary to land one of the top jobs they aren't always enough for countless readers this book has been just what they needed cracking the java coding interview 2014 edition total 1000 java programming questions and solutions java j2ee including 1000 questions answers 4 every step of interview process the full list of topics are as follows the interview process this section offers an overview on questions are selected and how you will be evaluated what happens when you get a question wrong when should you start preparing and how what language should you use behind the scenes learn what happens behind the scenes during your interview how decisions really get made who you interview with and what they ask you companies covered include google amazon yahoo microsoft apple and facebook special situations this section explains the process for experience candidates program managers dev managers testers sde's and more learn what your interviewers are looking for and how much code you need to know before the interview in order to ace the interview you first need to get an interview this section describes what a software engineer's resume should look like and what you should be doing well before your interview behavioral preparation although most of a software engineering interview will be technical behavioral questions matter too this section covers how to prepare for behavioral questions and how to give strong structured responses 5the apple interview 6the google interview 7the microsoft interview 8the yahoo interview 9the facebook interview 10before the interview 11interview frequently asked questions 12how to prepare for technical questions 13handling technical questions 14top ten mistakes candidates make 15special advice for software design engineers 16the sixteen most revealing interview questions 17before the danger java interview 18java interview questions answers 250 q a part 1 b awt c swing d rmi e jsp f ejb g jdbc h servlets i threads j java util k jms l networking m java coding standards 19java interview questions answers 250 q a part 2 20java interview questions answers 250 q a part 3 21java interview questions answers 250 q a part 4 22java coding standards code clarity maintainability dbms issues 23dress body appropriately guidelines by pictures grap

this book constitutes the refereed proceedings of the acm ifip usenix 7th international middleware conference 2006 held in melbourne australia in november december 2006 the 21 revised full papers are organized in topical sections on performance composition management publish subscribe technology databases mobile and ubiquitous computing security and data mining techniques

transform your access databases from simple data repositories to powerful automated applications with access 2024 microsoft 365 programming by example this isn't just another reference manual it's a practical step by step tutorial designed to guide you through the essentials of visual basic for applications vba within the access environment built for those who already understand basic access database design and operations this book dives straight into practical examples and hands on exercises each chapter builds upon the previous gradually introducing you to more complex concepts and techniques you'll learn how to automate tasks enhance functionality and create robust applications that streamline your workflow each chapter includes integrated chatgpt sections providing on the spot explanations code examples and answers to frequently asked questions this ai powered assistance transforms your learning experience making complex concepts more accessible and helping you overcome challenges with ease this book is perfect for access users who are ready to take their skills to the next level whether you're a beginner looking to start programming or an experienced user aiming to refine your abilities this tutorial provides a structured and approachable learning path this book assumes you have a working knowledge of microsoft access including database design query creation and form development with subforms and controls empower your access skills today and build the

applications you've always envisioned

drawing on the authors more than six years of r/d in location-based information systems Ibis as well as their participation in defining the Java ME Location API 2.0 location-based information systems developing real-time tracking applications provides information and examples for creating real-time Ibis-based on GPS-enabled cellular phones

explore Azure services such as networking, virtual machines, web apps, databases, cloud migration, and security. Key features: understand Azure services to build, deploy, and manage workloads on CloudLearn in depth; core Azure services and work through real-world scenarios and case studies; a concise and practical guide for learning cloud administration on AzureBook. Description: Azure continues to dominate the public cloud market and grow rapidly thanks to a number of recent innovations. Azure's wide range of services and support has led to a large number of customers switching to Azure. Cloud Hands-On: cloud administration in Azure starts with the basics of Azure cloud fundamentals and key concepts of the cloud computing ecosystem and services. Then you will gradually get acquainted with core services provided by Azure, including Azure VNet types and assignments of IP addresses and network security groups. You will also work on creating and administering Azure virtual machines, types of virtual machines (VMs), and design VM solutions based on computing workloads. As you make your way through the chapters, you will explore Azure App Service, discover how to host your web apps in Azure, and monitor and troubleshoot them. In the concluding chapters, you will learn more complex and abstract services such as Azure Storage, Azure Backup, and Azure Site Recovery. You will also get to grips with Azure SQL databases and the SQL on Azure VM concept. By the end of this book, you will have obtained practical experience of working with Azure services and Azure administration, along with maintaining, monitoring, and securing your Azure resources. What you will learn: understand the concepts of IaaS and PaaS; learn design patterns for Azure solutions; design data solutions in Azure; explore concepts of hybrid clouds with Azure; implement Azure security in Cloud; create and manage Azure resources with script-based tools. Who this book is for: hands-on cloud administration in Azure is for system administrators, cloud admins, cloud engineers, and DevOps engineers who are interested in understanding administration-related services in Azure. Prior experience of working with Azure is an added advantage.

an effective DBA is an efficient DBA, and if you work with SQL Server, DBATools is a lifesaver. With over 500 commands, this free and open-source PowerShell module has the horsepower to automate just about every task you can imagine. And then some. Written by DBATools creator Chrissy LeMaire and DBATools advocate Rob Sewell, *Learn DBATools in a Month of Lunches* teaches you techniques that will make you more effective and efficient than you ever thought possible.

an example-driven guide covering modern web app development techniques and emerging technologies such as WebAssembly, service workers, and Svelte.js to build faster, secure, and scalable apps. Key features: discover effective techniques for accessing DOM, minimizing painting, and using a v8 engine to optimize JavaScript; understand what makes the web tick and create apps that look and feel like native desktop applications; explore modern JavaScript frameworks like Svelte.js for building next-gen web apps. Book description: High-performance web development is all about cutting through the complexities in different layers of a web app and building services and APIs that improve the speed and performance of your apps on the browser with emerging web technologies. Building scalable websites and sustainable web apps is smoother than ever. This book starts by taking you through the web frontend, popular web development practices, and the latest version of ES and JavaScript. You'll work

with node js and learn how to build web apps without a framework the book consists of three hands on examples that help you understand javascript applications at both the server side and the client side using node js and svelte js each chapter covers modern techniques such as dom manipulation and v8 engine optimization to strengthen your understanding of the web finally you ll delve into advanced topics such as ci cd and how you can harness their capabilities to speed up your web development dramatically by the end of this web development book you ll have understood how the javascript landscape has evolved not just for the frontend but also for the backend and be ready to use new tools and techniques to solve common web problems what you will learn explore vanilla javascript for optimizing the dom classes and modules and querying with jquery understand immutable and mutable code and develop faster web apps delve into svelte js and use it to build a complete real time todo app build apps to work offline by caching calls using service workers write c native code and call the webassembly module with javascript to run it on a browser implement circleci for continuous integration in deploying your web apps who this book is for this javascript book is for web developers c c programmers and anyone who wants to build robust web applications using advanced web technologies this book assumes a good grasp of vanilla javascript and an understanding of web development tools such as chrome developer tools or mozilla s developer tools

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