LAB: STRUCTURED QUERY LANGUAGE (SQL) QUERIES WITH DATA MANIPULATION LANGUAGE (DML) ASSIGNMENT INSTRUCTIONS

INSTRUCTIONS

Before beginning this lab, run the following script in the SQL Server query window. If you have already created a database called "hourglass", be sure to drop the database before running these queries.

```
create database hourglass
go

use hourglass
go


CREATE TABLE Regions
(RegionID int not null,
 RegionName varchar(40),
 CONSTRAINT PK_Regions PRIMARY KEY (RegionID));


CREATE TABLE Countries
(CountryID int not null,
 CountryName varchar(50),
 RegionID int not null,
 CONSTRAINT PK_Countries PRIMARY KEY (CountryID),
 CONSTRAINT fk_CountriesRegions FOREIGN KEY (RegionID) References Regions);


CREATE TABLE Offices
(OfficeID int,
OfficeName varchar(50),
CountryID int not null,
CONSTRAINT pk_Offices PRIMARY KEY (OfficeID),
CONSTRAINT fk_Offices_Countries FOREIGN KEY (CountryID) REFERENCES Countries)


CREATE TABLE Employees
(EmpID int,
FirstName varchar(30),
LastName varchar(50),
Email varchar(50),
Salary decimal(10, 2),
OfficeID int not null,
SupervisorID int,
CONSTRAINT pk_Employees PRIMARY KEY (EmpID),
CONSTRAINT fk_Employees_Offices FOREIGN KEY (OfficeID) REFERENCES Offices,
CONSTRAINT fk_Employees_Employees FOREIGN KEY (SupervisorID) REFERENCES
Employees)


CREATE TABLE Clients
(ClientID int,
LegalName varchar(100),
ClientName varchar(50),
```

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Object-Oriented Information Systems Zohra Bellahsene,Dilip Patel,Colette Rolland,2003-08-02 This book constitutes the refereed proceedings of the 8th International Conference on Object Oriented Information Systems OOIS 2002 held in Montpellier France in September 2002 The 34 revised full papers and 17 short papers presented were carefully reviewed and selected from 116 submissions The papers are organized in topical sections on developing web services object databases XML and web component and ontology UML modeling object modeling and information systems adaptation e business models and workflow performance and method evaluation programming and tests software engineering metries web based information systems architecture and Corba and roles and evolvable objects **Applications of Databases** Witold Litwin,Tore Risch,1994-06-06 This volume presents the proceedings of the First International Conference on Applications of Databases ADB 94 held at Vadstena Sweden in June 1994 ADB 94 provided a unique platform for the discussion of innovative applications of databases among database researchers developers and application designers The 28 refereed papers were carefully selected from more than 100 submissions They report on DB applications for example in air traffic modelling maps environment finance engineering electronic publishing and digital libraries and they are devoted to advanced database services as for example image text and multimedia modelling fuzzy set based querying knowledge management heterogeneous multidatabase management and intelligent networks **Database Management and Design** Gary William Hansen,James V. Hansen,1996 An updated introductory management book which discusses object oriented data modeling and client server platforms KEY FEATURES It explores management and design within the context of the database development life cycle **Developing a Cybersecurity Immune System for Industry 4.0** Sergei Petrenko,2022-09-01 Cyber immune systems try to mimic the adaptive immune system of humans and animals because of its capability to detect and fend off new unseen pathogens Today s current cyber security systems provide an effective defense mechanism against known cyber attacks but are not so good when it comes to defending against unknown attacks This book describes the possible development and organization of self healing computing based on cyber immunity techniques and aimed at working in the new realm of Industry 4 0 Industry 4 0 is the trend towards automation and data exchange in manufacturing technologies and processes which include cyber physical systems CPS the internet of things IoT industrial internet of things IIOT cloud computing cognitive computing and artificial intelligence The book describes the author s research and development of cyber immunity systems that will prevent the destruction of critical information infrastructure by future unknown cyber attacks and thus avoid the significant or catastrophic consequences of such attacks The book is designed for undergraduate and post graduate students for engineers in related fields as well as managers of corporate and state structures chief information officers CIO chief information security officers CISO architects and research engineers in the field of cybersecurity This book contains four chapters1 Cyber Immunity Concept of the Industry 4 0 2 Mathematical

Framework for Immune Protection of Industry 4 0 3 Trends and prospects of the development of Immune Protection of Industry 4 0 4 From detecting cyber attacks to self healing Industry 4 0   *Object-oriented Information Systems* ,2002   **Secure Data Management** Willem Jonker,Milan Petkovic,2009-08-31 The new emergingtechnologiesput new requirementsonsecurityanddata m agement Asdataareaccessibleanytimeanywhere itbecomesmucheasiertoget unauthorized data access Furthermore the use of new technologies has brought some privacy concerns It becomes simpler to collect store and search personal information thereby endangering people s privacy Therefore research in secure data management is gaining importance attracting the attention of both the data management and the security research communities The interesting pr lems range from traditional topics such as access control and general database security via privacy protection to new research directions such as cryptogra ically enforced access control and encrypted databases This year the call for papers attracted 24 papers both from universities and industry For presentation at the workshop the ProgramCommittee selected 10 full papers 41% acceptance rate These papers are collected in this volume which we hope will serve as a useful research and reference material The papers in the proceeding are grouped into three sections The rst s tion focuses on database security which remains an important research area The papers in this section address several interesting topics including query optimization in encrypted databases database provenance database intrusion detection and con dence policy compliant query evaluation The second section changes the focal point to the topic of access control The papers in this s tion deal with provenance access control access control model for collaborative editors self modifying access control policies and enforcing access control on XML documents The third section focuses on privacy protection addressing the privacy issues around location based services and anonymity diversity for the micro data release problem   **Information and Software Technologies** Giedre Dregvaite,Robertas Damasevicius,2016-09-29 This book constitutes the refereed proceedings of the 22nd International Conference on Information and Software Technologies ICIST 2016 held in Druskininkai Lithuania in October 2016 The 61 papers presented were carefully reviewed and selected from 158 submissions The papers are organized in topical sections on information systems business intelligence for information and software systems software engineering information technology applications   *Database Machines* Haran Boral,Pascal Faudemay,1989 This volume contains 24 papers presented at the Sixth International Workshop on Database Machines The papers cover a wide spectrum of topics including system architectures storage structures associative memory architectures memory resident systems deduction and retrospectives on maturing projects The nature of the papers is highly technical and presumes knowledge of database management systems and familiarity with database machines The book is representative of the dual trend in the field towards 1 search for new functionability and 2 attention to detail completeness and performance of prototype implementations   **Advanced Information Systems Engineering Workshops** Xavier Franch,Pnina Soffer,2013-06-20 This book constitutes the thoroughly refereed proceedings of eight international workshops held in Valencia Spain in

conjunction with the 25th International Conference on Advanced Information Systems Engineering CAiSE 2013 in June 2013 The 36 full and 12 short papers have undertaken a high quality and selective acceptance policy resulting in acceptance rates of up to 50% for full research papers The eight workshops were Approaches for Enterprise Engineering Research AppEER International Workshop on BUSiness IT ALignment and Interoperability BUSITAL International Workshop on Cognitive Aspects of Information Systems Engineering COGNISE Workshop on Human Centric Information Systems HC IS Next Generation Enterprise and Business Innovation Systems NGEBIS International Workshop on Ontologies and Conceptual Modeling OntoCom International Workshop on Variability Support in Information Systems VarIS International Workshop on Information Systems Security Engineering WISSE **Proceedings of Share** Share Inc,1979 ⬆ **Microsoft Azure AZ-500 (Azure Security Engineer) Practice Tests Exams 308 Questions & Answers PDF** Daniel Danielecki,2024-02-28 Short and to the point why should you buy the PDF with these Practice Tests Exams 1 Always happy to answer your questions on Google Play Books and outside 2 Failed Please submit a screenshot of your exam result and request a refund we ll always accept it 3 Learn about topics such as Access Control Application Security Groups ASGs Authentication Azure Active Directory Azure AD Azure Container Registry Azure Kubernetes Service AKS Azure Policy Azure SQL Databases Azure Security Center Azure Storage Azure Virtual Networks VNets Key Vaults Locks Log Analytics Microsoft Antimalware for Azure Microsoft Sentinel Multi Factor Authentication MFA Network Security Groups NSGs Network Security Rules Privileged Identity Management PIM Role Based Access Control RBAC Subnets Virtual Machines VMs Much More 4 Questions are similar to the actual exam without duplications like in other practice exams 5 These tests are not a Microsoft Azure AZ 500 Azure Security Engineer Exam Dump Some people use brain dumps or exam dumps but that s absurd which we don t practice 6 308 unique questions **Handbook of Information Secutity Management** Harold F. Tipton,1999 Completely revised and updated the 1999 edition of Handbook of Information Security Management reveals the precise nuts and bolts of exactly how to handle all the most challenging security problems Handbook of Information Security Management provides dozens of case studies and analyses showing your students exactly how to protect systems and data using the latest tools With Handbook of Information Security Management your students will learn how to take the offensive in the battle against information security threats by seeing how the experts do it Handbook of Information Security Management delivers in depth guidance on organizing a corporate information security function creating a framework for developing security awareness throughout the company analyzing and managing risk developing a business continuity plan if disaster strikes Zeroing in on latebreaking technical security issues the book shows your students proven ways to design and develop secure systems methods to build safeguards into the system upfront instead of adding them at a later date expert tools and techniques commonly used to create the most secure systems the most effective access controls as well as various models and techniques for user verification and automated intrusion detection and the easiest way to prepare for certification exams

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