

with Adam Wilbert

	Topics from MTA Exam 98-364							
	Understand core database concepts							
	1.1 Understand how data is stored in tables							
	1.2 Understand relational database concepts							
	1.3 Understand data manipulation language (DML)							
	1.4 Understand data definition language (DDL)							
	Create database objects							
	2.1 Choose data types							
	2.2 Understand tables and how to create them							
	2.3 Create views							
	2.4 Create stored procedures and functions							
	Manipulate data							
	3.1 Select data							
	3.2 Insert data							
	3.3 Updated data							
	3.4 Delete data							
	Understand data storage							
	4.1 Understand normalization							
	4.2 Understand primary, foreign, and composite keys							
	4.3 Understand indexes							
	Administer a database							
	5.1 Understand database security concepts	X						
	5.2 Understand database backups and restore	X						
Securing the Database Server								
Understanding security fundamentals								
Securing the database server								
Implementing server level security with SQL Authentication								
Understanding Windows authentication								
Creating a new Windows user								

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		Administer a database							
		5.1 Understand database security concepts	X						
		5.2 Understand database backups and restore	X						
Enforcing Database Roles									
	Managing password policies								
	Understanding database server roles								
	Assigning server roles								
	Challenge: Creating a new user account								
	Solution: Creating a new user account								

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	Create database objects				Manipulate data			
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	Understand data storage				Understand normalization			
					4.1 Understand primary, foreign, and composite keys			
					4.2 Understand indexes			
	Administer a database				Security			
					5.1 Understand database security concepts	X		
					5.2 Understand database backups and restore	X		
Assigning Database Object Permissions								
Understanding object permissions								X
Granting object level permissions in SSMS								X
Granting user permissions to objects								X
Managing roles								X
Understanding ownership chains								X
Creating and using a guest account								X
Challenge: Assigning object permissions								X
Solution: Assigning object permissions								X

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	Understand data storage				Understand data storage			
					4.1 Understand normalization			
					4.2 Understand primary, foreign, and composite keys			
					4.3 Understand indexes			
	Administer a database				Administer a database			
					5.1 Understand database security concepts			X
					5.2 Understand database backups and restore			X
Creating Database Backups								
Using SQL Server Recovery Models								
Understanding the available backup options								
Scheduling backups in SSMS								
Restoring a database in SSMS								X