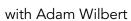
Database Fundamentals: Administration





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							То	pics	s fro	m I	MΤ	A E	xam	1 98	-36	4						
	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	-	2.4 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	5.2 Understand database backups and restore
Securing the Database Server											_											
Understanding security fundamentals																					X	
Securing the database server																					X	
Implementing server level security with SQL Authentication																					X	
Understanding Windows authentication																					X	
Creating a new Windows user																					X	

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

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	Understand core database concepts	1.1 Understand how data is stored in tables	1.2 Understand relational database concepts	.3 Understand data manipulation langua	erstand data	Φ	7	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		Administer a database	Understand	5.2 Understand database backups and restore
Working with Fixed Database Roles					۹	Į,															
Granting access to a database				\perp	4		\perp	\perp	\perp					Щ				Ш		X	
Understanding fixed database roles				\perp	4			\perp						\Box				Ш		X	
Assigning fixed database roles																				X	

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	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		2.4 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 5.2 Understand database backups and restore
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 core database concepts	1.1 Understand how data is stored in tables	1.2 Understand relational database concepts	data manipulation langua	1.4 Understand data definition language (DDL)	2.1 Choose data types	2.2 Understand tables and how to create them	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	Understand	5.2 Understand database backups and restore
Creating Database Backups																					
Using SQL Server Recovery Models					╝																X
Understanding the available backup options					╝																X
Scheduling backups in SSMS																					X
Restoring a database in SSMS																					X