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12 June 2008	1.0	SQL server 2005	Kishori Khadilkar Vaishali Kunchur	Newly Created
8 Sept 2009	1.1	SQL server 2005	Kishori Khadilkar Vaishali Kunchur	Revamped using new template Incorporated review comments
10 July 2011	2.0	SQL Server 2005	Latha S.	Changes in material made based on integration process
30 March 2012	2.1	SQL Server 2008 – Database Development	Shilpa Bhosle	Changes in Class Book are made as an upgrade to SQL Server 2008
12 July 2013	2.2	SQL Server 2012 new features incorporated	Hareshkumar Chandiramani & Shashank Saudagar	Upgraded from SQL Server 2008 t SQL Server 2012. Rearranged flow of Topics.
11 May 2015	2.3	SQL Server 2012 new features and enhanced for ELTP curriculum	Vaishali Kasture	Rearranged flow of topics
5 May 2016	2.4	SQL Server 2012	Shital Patil	Changes in material made base or integration process as per Capgemini Course Structure

Course Goals and Non Goals

- Course Goals
 - Understanding database concepts
 - How to use T-SQL statements for implementing database concepts
 - Writing Stored procedures

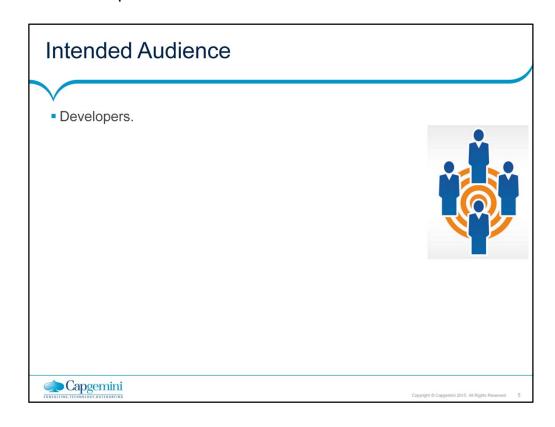




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Course Goals and Non Goals Course Non Goals Database administration will not be covered Different services Like SSIS,SSRS,SSAS will not be covered

SQL server 2012 - Database Development



Day Wise Schedule

Day 1

Lesson 1: Introduction to RDBMS

Lesson 2: Introduction to SQL Server 2012

Lesson3: Working with Data Types, DDL ,DML and DCL statements

Day 2

Lesson3: Working with Data Types, DDL ,DML and DCL statements Lesson 4: Beginning with Transact-SQL

Day 3

Lesson 4: Beginning with Transact-SQL

Lesson 5: Working with Joins and Subqueries

■ Day 4

Lesson 6: Database Objects: Indexes & Views

Lesson 7: Procedures



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Table of Contents

- Lesson 1: Introduction to RDBMS
 - Introduction to databases
 - Data Models in Database
 - Properties of RDBMS
 - Data Integrity
 - T-SQL Language
- Lesson 2: Introduction to SQL Server 2012
 - What is SQL Server?
 - SQL Server Components
 - SQL Server Authentication Modes
 - SQL Server Version History
 - SQL Server Tool & Utilities



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Table of Contents

- Lesson 2: Introduction to SQL Server 2012 (Cont..)
 - SQL Server System Databases
 - SQL Server Database Objects
 - SQL Server system Tables
 - SQL Server Metadata Retrieval
- Lesson 3: Working with Data Types, Tables & Data Integrity
 - Working With Data Types
 - Working With Schema
 - Working With Tables
 - Implementing Data Integrity



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Table of Contents

- Lesson 4: Beginning with Transact-SQL
 - Transact-SQL
 - System Functions
- Lesson 5: Working with Joins and Subquereis
 - What are Joins?
 - Types of joins
- Lesson 6: Database Objects :Indexes , Views and Sequences
 - Introduction to Index in SQL Server
 - Introduction to Views in SQL Server
- Lesson 7: Procedures
 - Stored Procedure
 - Implementing Stored Procedure
 - Exception handling using TRY-CATCH



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References

- Microsoft SQL Server 2012 : A Beginner's Guide By Dusan Petkovi
- What's new in SQL Server 2012 :Rachel Clements
- Microsoft SQL Server 2012 Database Development

By - Tobias Thernström

Ann Weber

Mike Hotek

and GrandMasters



Microsoft SQL Server 2012 – TechNet Library





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Next Step Courses SQL server 2012 services like SSIS,SSRS,SSAS Database Administration using SQL server 2012

SQL server 2012 –Database Development

