MS SQL server 2012 for BI

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Course Goals and Non Goals

➢ **Course Goals**
  – Understanding database concepts
  – How to use T-SQL statements for implementing database concepts
  – Writing Stored procedures, Functions and triggers

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Pre-requisites

➢ **Fair knowledge of Oracle an d SQL**

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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

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Intended Audience

➢ **Developers.**

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Day Wise Schedule

➢ **Day 1**

        Lesson 1: Introduction to SQL Server 2012

        Lesson 2 : Working with Data Types, DDL ,DML and DCL statements

        Lesson 3: Beginning with Transact-SQL

➢ **Day 2**

        Lesson 3: Beginning with Transact-SQL

        Lesson 4: Working with Joins and Subqueries

        Lesson 5: Stored Procedures and functions

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➤ **Lesson 1: Introduction to SQL Server 2012**

What is SQL Server?

SQL Server Components

SQL Server Authentication Modes

SQL Server Services

SQL Server Version History

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➤ **Lesson 4: Working with Joins and Subquereis**
    What are Joins?
    Types of joins
    Subqueries
    Set Operators
    UNION , UNION ALL , EXCEPT , INTERSECT

➤ **Lesson 5: Procedures and Functions**
    Stored Procedure
    Implementing Stored Procedure
    Exception handling using TRY-CATCH
    Implementing User Defined Functions

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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 – MSDN Library**
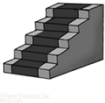- **Microsoft SQL Server 2012 – TechNet Library**

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Next Step Courses

➢ **SQL server 2012 services like SSIS,SSRS,SSAS**
➢ **Database Administration using SQL server 2012**

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Other Parallel Technology Areas

➢ **Oracle**
➢ **MySQL**

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