

# SQL 2014 Developer Part 2: VS 2012 and Data Types Online Training Series!

**Overview:** This course will introduce students to aggregate, UDT, TVF, modules, data tools, schemas, offline development, APPLY, MERGE, grouping sets, ROLLUP, CUBE, pivot queries, query execution, hierarchy, columns, filtered, streams, sequences, and spatial data types.

## Course Modules:

### Module 01 – Aggregate, UDT, TVF and Modules

(Duration: 1h 2m)

1. Workbook (Pdf)
2. Topic A: Aggregates – Part 1
3. Aggregates – Part 2
4. Aggregates – Part 3
5. Topic B: User Defined Types – Part 1
6. User Defined Types – Part 2
7. User Defined Types – Part 3
8. Topic C: Table and Functions – Part 1
9. Table and Functions – Part 2
10. Table and Functions – Part 3

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(909) 760-0217 | (925) 239-0399

(909) 760-0218 Fax

<https://toittraining.com>

11. Topic D: Managing Code Modules – Part 1
12. Managing Code Modules – Part 2
13. Managing Code Modules – Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

## Module 02 – Data Tools

**(Duration: 56 m)**

1. Workbook (Pdf)
2. Topic A: Introduction Data Tools – Part 1
3. Introduction Data Tools – Part 2
4. Introduction Data Tools – Part 3
5. Topic B: Connected Database Development – Part 1
6. Connected Database Development – Part 2
7. Connected Database Development – Part 3
8. Topic C: Updating a Connected Database – Part 1
9. Updating a Connected Database – Part 2
10. Updating a Connected Database – Part 3
11. **Review Quiz (Number of attempts allowed: Unlimited)**

## Module 03 – Schemas and Offline Development

**(Duration: 54 m)**

1. Workbook (Pdf)
2. Topic A: Creating New Objects with TSQL – Part 1
3. Creating New Objects with TSQL – Part 2
4. Creating New Objects with TSQL – Part 3
5. Topic B: Comparing Database Schemas – Part 1

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6. Comparing Database Schemas – Part 2
7. Comparing Database Schemas – Part 3
8. Topic C: Offline Database Development – Part 1
9. Offline Database Development – Part 2
10. Offline Database Development – Part 3
11. Topic D: Database Project Settings – Part 1
12. Database Project Settings – Part 2
13. Database Project Settings – Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

## Module 04 – APPLY, MERGE and Grouping Sets

**(Duration: 1h 4 m)**

1. Workbook (Pdf)
2. Topic A: Using APPLY- Part 1
3. Using APPLY- Part 2
4. Using APPLY- Part 3
5. Topic B: MERGE Statement- Part 1
6. MERGE Statement- Part 2
7. MERGE Statement- Part 3
8. Topic C: Creating Recursive Queries- Part 1
9. Creating Recursive Queries- Part 2
10. Creating Recursive Queries- Part 3
11. Topic D: Grouping Sets- Part 1
12. Grouping Sets- Part 2
13. Grouping Sets- Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

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## Module 05 – ROLLUP, CUBE and Pivot Queries

**(Duration: 54 m)**

1. Workbook (Pdf)
2. Topic A: ROLLUP and CUBE Operators- Part 1
3. ROLLUP and CUBE Operators- Part 2
4. ROLLUP and CUBE Operators- Part 3
5. Topic B: Creating Pivot Queries- Part 1
6. Creating Pivot Queries- Part 2
7. Creating Pivot Queries- Part 3
8. Topic C: Executing Dynamic SQL- Part 1
9. Executing Dynamic SQL- Part 2
10. Executing Dynamic SQL- Part 3
11. **Review Quiz (Number of attempts allowed: Unlimited)**

## Module 06 – Query Execution

**(Duration: 1h 9 m)**

1. Workbook (Pdf)
2. Topic A: Complex Query Execution- Part 1
3. Complex Query Execution- Part 2
4. Complex Query Execution- Part 3
5. Topic B: Using Execution Plans- Part 1
6. Using Execution Plans- Part 2
7. Using Execution Plans- Part 3
8. Topic C: Execution Plan Operators- Part1
9. Execution Plan Operators- Part 2
10. Execution Plan Operators- Part 3
11. Topic D: Common Join Operators- Part 1

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12. Common Join Operators- Part 2
13. Common Join Operators- Part 3
14. Review Quiz (**Number of attempts allowed: Unlimited**)

## Module 07 – Hierarchy and Columns

**(Duration: 49 m)**

1. Workbook (Pdf)
2. Topic A: Hierarchy ID Data Type- Part 1
3. Hierarchy ID Data Type- Part 2
4. Hierarchy ID Data Type- Part 3
5. Topic B: Exploring a Hierarchy- Part 1
6. Exploring a Hierarchy- Part 2
7. Exploring a Hierarchy- Part 3
8. Topic C: Sparse Columns- Part 1
9. Sparse Columns- Part 2
10. Sparse Columns- Part 3
11. Topic D: Column Sets – Part 1
12. Column Sets – Part 2
13. Column Sets – Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

## Module 08 – Filtered, Streams, Sequences

**(Duration: 53 m)**

1. Workbook (Pdf)
2. Topic A: Filtered Indexes – Part 1
3. Filtered Indexes – Part 2

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4. Filtered Indexes – Part 3
5. Topic B: FILESTREAM Storage – Part 1
6. FILESTREAM Storage – Part 2
7. FILESTREAM Storage – Part 3
8. Topic C: Adding Sequences to Queries – Part 1
9. Adding Sequences to Queries – Part 2
10. Adding Sequences to Queries – Part 3
11. Review Quiz (**Number of attempts allowed: Unlimited**)

## Module 09 – Spatial Data Types

**(Duration: 54 m)**

1. Workbook (Pdf)
2. Topic A: Introduction to Spatial Data – Part 1
3. Introduction to Spatial Data – Part 2
4. Introduction to Spatial Data – Part 3
5. Topic B: Spatial Data in SQL Server – Part 1
6. Spatial Data in SQL Server – Part 2
7. Spatial Data in SQL Server – Part 3
8. Topic C: Manipulating Spatial Shapes – Part 1
9. Manipulating Spatial Shapes – Part 2
10. Manipulating Spatial Shapes – Part 3
11. Topic D: Interactions Between Objects – Part 1
12. Interactions Between Objects – Part 2
13. Interactions Between Objects – Part 3
14. **Review Quiz (Number of attempts allowed: Unlimited)**

### This course includes

- about 8.27 hours on-demand video
- 9 downloadable Pdf Workbooks
- Unlimited time access (During Membership)
- Access on mobile and Desktop
- Certificate of Completion

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