

SAP BW/4HANA Query Design and Analysis

COURSE OUTLINE

Course Version: 21 Course Duration:

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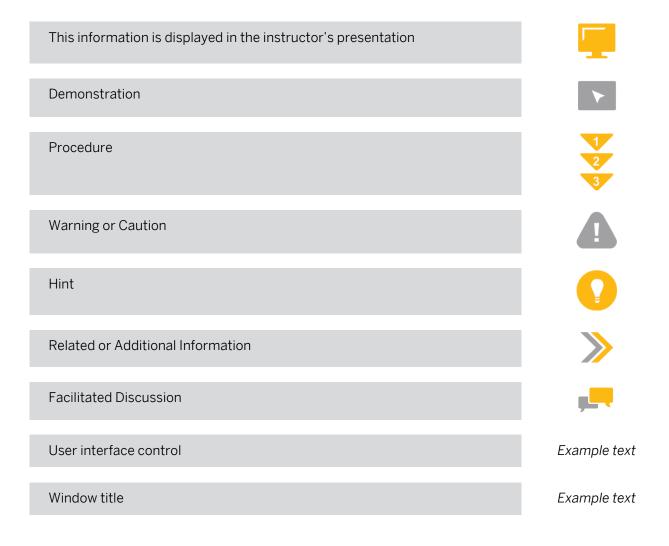
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Typographic Conventions

American English is the standard used in this handbook. The following typographic conventions are also used.





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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Business Analyst
- Business Process Owner/Team Lead/Power User
- User



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UNIT 1 Creating Simple Queries

Lesson 1: Creating Simple Queries

Lesson Objectives

After completing this lesson, you will be able to:

• Create a simple query



UNIT 2 Configuring Key Figures in Queries

Lesson 1: Configuring Properties of Key Figures

Lesson Objectives

After completing this lesson, you will be able to:

• Configure key figure properties

Lesson 2: Creating Restricted Key Figures

Lesson Objectives

After completing this lesson, you will be able to:

Create a query with restricted key figures

Lesson 3: Creating Calculated Key Figures

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with calculated key figures

Lesson 4: Creating Calculated Key Figures with Boolean Operators

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with Boolean operators

Lesson 5: Creating Calculated Key Figures with Exception Aggregation

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with exception aggregation



UNIT 3 Implementing Structures in Queries

Lesson 1: Creating Structures

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with two structures

Lesson 2: Resolving Formula Collision and Working with Cells

Lesson Objectives

After completing this lesson, you will be able to:

• Resolve formula collision and work with cells



UNIT 4

Configuring Characteristic Properties, Attributes, and Hierarchies

Lesson 1: Configuring the Properties of Characteristics

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query and configure the properties of characteristics

Lesson 2: Creating a Query and Running Display and Navigation Attributes

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query and run display and navigation attributes

Lesson 3: Adding Hierarchies to Reports

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query and include an external hierarchy



UNIT 5 Implementing Variables in Queries

Lesson 1: Introducing Variables

Lesson Objectives

After completing this lesson, you will be able to:

• Identify basics of variables

Lesson 2: Creating Characteristic Value and Text Variables

Lesson Objectives

After completing this lesson, you will be able to:

Create a query with characteristic value variables and text variables

Lesson 3: Implementing Variables delivered by SAP BW/4HANA Content Add-on

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with variables delivered by SAP BW/4HANA Content Add-On and variable offset

Lesson 4: Transferring Values Between Queries Using Characteristic Value Variables

Lesson Objectives

After completing this lesson, you will be able to:

· Create characteristic value variables with replacement path and precalculated value set

Lesson 5: Creating Formula Variables

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with formula variables



Lesson 6: Creating Hierarchy Variables and Hierarchy Node Variables

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query with hierarchy variables and hierarchy node variables

Lesson 7: Specifying Details of Variables

Lesson Objectives

After completing this lesson, you will be able to:

• Explain details of variables

UNIT 6 Defining Exceptions and Conditions in Queries

Lesson 1: Creating a Query and Including Exceptions

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query and include exceptions

Lesson 2: Creating a Query and Including Conditions

Lesson Objectives

After completing this lesson, you will be able to:

• Create a query and include conditions



UNIT 7 Working with the Report-Report Interface

Lesson 1: Working with the Report-Report Interface

Lesson Objectives

After completing this lesson, you will be able to:

• Work with the Report-Report interface



UNIT 8 **Optimizing Query Performance**

Lesson 1: Optimizing Query Performance

Lesson Objectives

After completing this lesson, you will be able to:

• Describe query performance optimization

Lesson 2: Describing the SAP BW/4HANA Analytic Manager

Lesson Objectives

After completing this lesson, you will be able to:

Describe the Analytic Manager and different Query Processing Modes



UNIT 9 Managing Queries and Reusable Query Components

Lesson 1: Managing Query Objects

Lesson Objectives

After completing this lesson, you will be able to:

• Manage query objects

