

# BW405

## SAP BW/4HANA Query Design and Analysis

### COURSE OUTLINE

Course Version: 22

Course Duration:

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# Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation



Demonstration



Procedure



Warning or Caution



Hint



Related or Additional Information



Facilitated Discussion



User interface control

*Example text*

Window title

*Example text*



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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





# 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



## 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





## 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



## 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