BC100

Introduction to Programming with ABAP

COURSE OUTLINE

Course Version: 18
Course Duration:

SAP Copyrights and Trademarks

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*

Contents

Course Overview

TARGET AUDIENCE
This course is intended for the following audiences:

- Developer
- Development Consultant
- IT Support

UNIT 1 Basics of ABAP Programming

Lesson 1: Developing a Simple ABAP Program

Lesson Objectives

After completing this lesson, you will be able to:

- Develop a simple ABAP program

Lesson 2: Introducing ABAP Syntax

Lesson Objectives

After completing this lesson, you will be able to:

- Describe ABAP syntax
- Add comments to code
- Consult keyword documentation

Lesson 3: Implementing a Simple Dialog

Lesson Objectives

After completing this lesson, you will be able to:

- Implement a simple dialog using the PARAMETERS statement

Lesson 4: Customizing the ABAP Editor

Lesson Objectives

After completing this lesson, you will be able to:

- Customize the ABAP Editor

UNIT 2 Coding and Debugging in ABAP

Lesson 1: Defining Simple Variables

Lesson Objectives
After completing this lesson, you will be able to:

- Describe data types
- Declare variables and constants

Lesson 2: Defining Text Symbols

Lesson Objectives
After completing this lesson, you will be able to:

- Create text symbols

Lesson 3: Performing Arithmetic Operations Using Simple Variables

Lesson Objectives
After completing this lesson, you will be able to:

- Perform basic arithmetic operations in ABAP

Lesson 4: Using System Variables

Lesson Objectives
After completing this lesson, you will be able to:

- Use system variables in a program

Lesson 5: Debugging a Program

Lesson Objectives
After completing this lesson, you will be able to:

- Debug a program

Lesson 6: Creating an ABAP List

Lesson Objectives
After completing this lesson, you will be able to:

- Create an ABAP list

Lesson 7: Processing Character Strings

Lesson Objectives
After completing this lesson, you will be able to:

- Process character strings in a program

UNIT 3 Flow Control Structures in ABAP

Lesson 1: Implementing Conditional Logic

Lesson Objectives

After completing this lesson, you will be able to:

- Implement conditional logic in a program

Lesson 2: Implementing Loops

Lesson Objectives

After completing this lesson, you will be able to:

- Implement loops in a program

UNIT 4 Runtime Errors and Error Handling

Lesson 1: Analyzing Runtime Errors

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze runtime errors

Lesson 2: Implementing Error Handling

Lesson Objectives

After completing this lesson, you will be able to:

- Implement error handling

UNIT 5 Additional ABAP Programming Techniques

Lesson 1: Retrieving Data From the Database

Lesson Objectives

After completing this lesson, you will be able to:

- Retrieve data from the database

Lesson 2: Describing Modularization in ABAP

Lesson Objectives

After completing this lesson, you will be able to:

- Describe modularization in ABAP

Lesson 3: Using Function Modules

Lesson Objectives

After completing this lesson, you will be able to:

- Call a function module from a program