

PeopleSoft People Code Rel 8.53

Duration: 5 Days

What you will learn

PeopleCode is integrated into every aspect of PeopleSoft applications. This five-day PeopleSoft PeopleCode training course gives you the essential tools to work with object-oriented PeopleCode.

Learn To:

Use the PeopleCode development tools to write, edit, and debug PeopleCode programs.

Identify when PeopleCode events occur in the component processor flow.

Write PeopleCode programs and choose the events in which to place them.

Use PeopleCode to validate data and control program flow.

Manipulate data in the component buffer.

Program with object-oriented PeopleCode.

Create, use, and extend application classes.

Use SQL in PeopleCode programs.

Build in a PeopleSoft Environment

Throughout this course, you'll actively build programming skills in a PeopleSoft environment. The tools and skills you use and acquire will teach you about the structure of PeopleCode, while preparing you to move on to more advanced applications.

Audience

Application Developers

Developer

System Analysts

Technical Consultant

Related Training

Required Prerequisites

Programming experience, preferably in an object-oriented language.

Working knowledge of the People Tools development environment.

PeopleSoft People Tools I Rel 8.53

PeopleSoft People Tools II Rel 8.53

Suggested Prerequisites

Comfortable with PeopleSoft parent/child relationships.

Experience developing PeopleSoft applications.

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Course Objectives

Identify when PeopleCode events occur in the component processor flow.
Write PeopleCode programs and choose the events in which to place them.
Manipulate data in the component buffer.
Use the PeopleCode development tools to write, edit, and debug PeopleCode programs.
Program with object-oriented PeopleCode.
Create, use, and extend application classes.
Use SQL in PeopleCode programs.

Course Topics

Using PeopleCode Development Tools

Describing the PeopleSoft Application Development Steps
Locating PeopleCode Programs
Using the PeopleCode Editor
Using the PeopleCode Debugger
Describing Additional Development Tools

Understanding the Component Processor and PeopleCode Events

Tracing the Component Processor Flow
Describing Search Events
Describing Component Build Events
Describing Field Action Events
Describing Row Action Events
Describing Save Action Events
Describing Add Mode Processing
Describing Deferred Processing

Writing PeopleCode Programs

Writing PeopleCode Statements
Writing Conditional Statements
Writing Looping Statements

Using PeopleCode Variables

Creating User-Defined PeopleCode Variables
Using System Variables
Incorporating Derived/Work Fields into Your Applications
Describing Contextual Prompt Table Edits

Using PeopleCode Built-In Functions

Listing the Types of PeopleCode Built-In Functions
Explaining Message Catalog Functions
Describing the All, None, and Prior Value Functions
Explaining String Functions
Identifying Other Built-In Functions Identifying
Reserved Words

Writing User-Defined Functions

- Writing External User-Defined Functions
- Declaring User-Defined Functions
- Calling User-Defined Functions
- Defining Functions Using Parameters
- Defining Functions Using a Returns Clause

Explaining the Component Buffer

- Reviewing Occurs Levels
- Determining Buffer Allocation
- Determining the Order of Execution of PeopleCode Programs

Using Legacy Techniques to Access Data in the Component Buffer

- Using Loops to Process Rows in the Component Buffer
- Using the FetchValue and UpdateValue Built-In Functions
- Accessing Data Across Multiple Occurs Levels

Programming With Object-Oriented PeopleCode

- Defining Object-Oriented Terms
- Instantiating Objects
- Referencing Properties by Using Dot Notation
- Invoking Methods by Using Dot Notation
- Discussing Passing Objects by Reference
- Using Methods and Properties of the Component Buffer Classes

Referencing Data in the Component Buffer

- Defining the Component Buffer Classes
- Instantiating Objects of the Component Buffer Classes
- Explaining Current Context
- Traversing the Component Buffer
- Using Shorthand Dot Notation
- Traversing Multiple Occurs Levels in the Component Buffer

Using Additional Component Buffer Methods

- Using the Sort Method
- Using the Select Method
- Using the Flush Method
- Working with Standalone Rowsets
- Using Other Component Buffer Methods

Creating and Using Application Classes

- Describing Application Classes
- Organizing Application Classes Using Application Packages
- Using the PeopleCode Editor to Create and Modify Application Classes Describing the Structure of Application Classes
- Using Application Classes

Passing Parameters to Methods

Extending and Implementing Base Classes

Describing Base Classes and Subclasses

Describing Abstract Methods and Properties

Implementing Interface Classes

Executing SQL in PeopleCode

Writing SQLExec Statements

Creating SQL Definitions

Using the SQL Class and SQL Objects

Incorporating Meta-SQL in PeopleCode and SQL Definitions

Executing SQL Using Record Objects

Using PeopleCode to Create Charts

Identifying the PeopleCode Charting Classes

Explaining Chart Elements

Creating Charts