

PeopleSoft PeopleTools SQR Rel 8.53

Duration: 5 Days

What you will learn

This five-day PeopleSoft SQR Rel 8.53 training equips you with the knowledge and skills to understand the fundamentals of the Structured Query Report (SQR) language and to use SQR for PeopleSoft for reporting and batch processing.

Learn To:

Perform reporting and batch processing.

Format reports, use variables and write procedures to develop modular reusable code.

Use an array and business chart.

Produce multiple reports and create dynamic SQL.

Understand the fundamentals of the Structured Query Report (SQR) language.

Use interoperability features, National Language Support and HTML.

Develop modular reusable code and prompt for user input.

Explore SQL & PeopleSoft Database Structure

This course emphasizes the importance of SQL and the PeopleSoft application database structure, as well as how the two can be used in the SQR programming environment. Learn practical solutions for business rules-related requests for reports.

Audience

Application Developers

Developer

Reports Developer

Related Training

Required Prerequisites

PeopleSoft People Tools II Rel 8.53 Ed 1

PeopleSoft People Tools I Rel 8.53 Ed 1

PeopleSoft People Tools I Rel 8.53

PeopleSoft People Tools II Rel 8.53

Suggested Prerequisites

An understanding of programming basics

Familiarity with SQL

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Course Objectives

Using HTML and Miscellaneous Functions
Exploring an SQR Program File
Creating Multiple Reports
Using Interoperability Features
Printing in SQR
Using SQR Variables and Program Flow Commands
Advanced Printing with SQR
Using Arrays
Using Business Chart Graphics
Implementing SQC Files and Local Procedures
Working with External Data
Using Lookup Tables
Working with External Data
Prompting for User Input
Creating Dynamic SQL

Course Topics

Getting Started with SQL and SQR

Using Oracle SQL Developer
Writing SQL Statements
Running SQR Programs from the Process Scheduler
Running SQR Programs from the Desktop

Exploring an SQR Program File

Viewing a Page as a Grid
Describing the Processing Sequence
Writing and Editing SQR Programs
Reading an SQR Program

Printing in SQR

Using Explicit and Implicit Printing
Using Formatting Options
Applying Edit Masks

Using SQR Variables and Program Flow Commands

Identifying SQR Variables
Declaring Variables
Using Assignment Statements
Using Control Statements and Structures

Manipulating String, Date, and Numeric Data

Manipulating String Data
Manipulating Date Data
Working with Numbers

Advanced Printing with SQR

Modifying the Page Appearance
Using Graphic Commands
Including Images
Using On-Break Processing

Using Arrays

Explaining an Array
Using Array Commands
Programming Errors with Arrays

Using Business Chart Graphics

Explaining the Components of the SQR Chart
Inserting Business Charts

Implementing SQC Files and Local Procedures

Reading SQC Files
Using SQC Procedures
Writing Local Procedures

Using Lookup Tables

Creating and Loading Lookup Tables
Retrieving Data from Lookup Tables

Working with External Data

Opening and Closing Files
Reading from and Writing to Files
Checking Referential Integrity when Working with External Data
Using SQL Paragraphs to Update the Database
Handling SQL Error Conditions

Adding an SQR Program to the Process Scheduler

Describing SQR Process Type Definitions
10 Steps to Adding an SQR Process
Identifying Standard Records and Pages
Registering a Component
Defining a Process
Applying Process Security

Prompting for User Input

Using the INPUT Command
Obtaining User Input with the Process Scheduler

Creating Dynamic SQL

Defining Static SQL
Constructing Dynamic SQL

Using Printer Commands

Specifying default values for Printer
Changing Printer characteristics at Run time

Creating Multiple Reports

Describing Multiple Reports
Declaring Layouts and Reports
Specifying Headings and Footings for Specific Reports
Setting the Multiple Reports Flag

Using Interoperability Features

Calling SQR from another application
Invoking an external application API by using the ufunc.c interface

Using HTML and Miscellaneous Functions

Generating HTML output from an SQR
Using additional SQR built-in functions for handling environment parameters, and other features

Debugging and Tuning SQR Programs

Debugging in SQR
Using the DISPLAY and SHOW Commands
Modifying pssqr.ini
Designing for Performance