

Technical Course

PeopleSoft PeopleTools 8.54 SQR for Reporting and Batch Processing

Developed for developers, analysts and system admins, PeopleSoft PeopleTools v8.54 SQR training quickly introduces students to the PeopleSoft application Reporting and Batch processing leveraging SQR. Through scenarios, real-world experiences from implementers, and hands-on activities, students learn how to develop new and modify existing PeopleSoft SQR programs.

Prerequisites:

- Basic Programming knowledge
- PeopleTools knowledge

SQL and SQR Foundation

- SQL Primer for SQR
 - SQL Statement basics
 - General SQL Tips
 - SQL Performance and SQR Program Approach
- SQR Overview
 - Comparison to other tools
 - Integration with PeopleSoft
- SQR Programs
 - Running Locally (from the Desktop)
 - Running via Process Scheduler
 - Printing in SQR (explicit, implicit, formats and masks)
 - Viewing a Page as a Grid
 - Describing the Processing Sequence
 - Writing and Editing SQR Programs
- SQR Variables and Program Flow Commands
 - Identifying SQR Variables
 - Declaring Variables
 - Using Assignment Statements

SQL and SQR Foundation (cont'd)

- Using Control Statements and Structures
- Manipulating String, Date, and Numeric Data
- Advanced Printing with SQR

Lookup Tables, External Data & Process Scheduler

- Lookup Tables
- Array Commands
 - Explaining an Array
 - Using Array Commands
 - Programming Errors with Arrays
- Working with External Data
 - Opening and Closing Files
 - Writing and Reading Lines
 - SQL Paragraphs
 - SQL Error Conditions
- Process Scheduler
 - SQR Process Type Definitions
 - Adding an SQR Process

Lookup Tables, External Data & Process Scheduler (cont'd)

- About process request API
- Typical run control page design
- Component, Process Security
- SQC Files
 - Reading SQC Files
 - Using SQC Procedures
 - Writing Local Procedures
- Procedures
 - Global versus Local
 - Implementing Functions
 - Procedures which return
- User Input

Dynamic SQL, Creating Reports, Other Features

- Static and Dynamic SQL
- Printer Commands
- Multiple Reports
 - Layouts
 - Headings and Footings
- SQR Reserved Words
- Execution outside of SQR
 - Using Environment Variables
 - Calling System commands

Dynamic SQL, Creating Reports, Other Features (cont'd)

- Pre-Compiler Directives
- Debugging SQR Programs
 - DISPLAY and SHOW Statements
 - Using Debug flags
- Development Tips and Techniques
- Using pssqr.ini