



Technical Course

PeopleTools 8.56 SQR/SQL for Reporting and Batch Processing

Developed for developers, analysts and system admins, PeopleSoft PeopleTools v8.54 SQR/SQL 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