



Technical Course

PeopleSoft PeopleTools 8.54 PeopleCode I & II

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

Prerequisites:

- General knowledge of relational database system
- Basic Programming knowledge
- PeopleTools knowledge

Development using PeopleCode

- Component Processor
 - Events in the Component Processor Flow
 - Search Events
 - Component Build Events
 - Field Action Events
 - Row Action Events
 - Save Action Events
 - Add Mode Processing
 - Deferred Processing
- PeopleCode Events
 - PeopleCode in Search Events
 - PeopleCode in Component Build Events
 - PeopleCode in Field Action Events
 - PeopleCode in Row Action Events
 - PeopleCode in Save Action Events
 - Creating User Defined PeopleCode Variables
- PeopleCode Variables

Development using PeopleCode (cont'd)

- Using System Variables
- Incorporating Derived/Work Fields into PeopleSoft Applications
- Explaining Variable Prompt Tables
- Creating Summary Pages with Views
- Built-In Functions
 - Application Server and Processing Modes
 - Changing Processing Modes
 - Interactive Component makes everything interactive
 - Deferred Component can have interactive parts
- PeopleCode Functions
 - Performance Tuning

Object Oriented PeopleCode / Application Classes / SQL

- Object Oriented PeopleCode
 - Object-Oriented Terms
 - Instantiating Objects

Object Oriented PeopleCode / Application Classes / SQL (cont'd)

- Referencing Object Properties by Using Dot Notation
- Calling Object Methods by Using Dot Notation
- Explaining Passing by Reference
- Using Object-Oriented Methods and Properties
- Using Arrays
- Application Classes
 - Application Classes
 - Organizing Application Classes Using Application Packages
 - Using the Application Class Editor
 - Application Class Structure
 - Calling Application Classes
 - Passing Parameters to Application Classes
- SQL in PeopleCode
 - Writing SQL Exec Statements
 - Creating SQL Definitions
 - Using the SQL Class
 - Executing SQL Using Record Objects
 - Incorporating Meta-SQL in PeopleCode and SQL
- Searching PeopleCode for Potential SQL Injection

Component Buffer

- Component Buffer

Component Buffer (cont'd)

- Occurs Levels and Determining Buffer allocation
- Determining the Order of Execution of PeopleCode Programs
- Relating tables by keys
- Level 0, 1, 2, 3 and the Panel Processor
- Accessing and Referencing Data in the Component Buffer
 - Processing Rows Using Loops
 - Using Fetch Value and Update Value
 - Accessing Data with Multiple Occurs Levels
 - The Data Buffer Classes
 - Instantiating the Buffer Access Classes
 - Using Current Context
 - Traversing the Data Buffer
 - Using Shorthand Dot Notation
 - Traversing the Data Buffer with Multiple Scroll Levels

Introduction to Application Engine & Final Exam

- Using Application Engine Designer
 - Student Workstation Resources
 - Program Structure & Building Programs
 - Markets & Filters
 - Program Properties & Testing
- Provide a comprehensive test/final project to see how well the students learned the material