

**Duration:** 3 days

**Course Number:** ISI-EZT-01

## Description

This is a hands-on course to instruct application programmers in the basics of using Easytrieve to increase productivity in the test and production environments. Student will learn:

- Understand the Easytrieve program sections, terms, and their syntax.
- Understand the syntax and power of Easytrieve's branch logic.
- Create well-structured Easytrieve code.
- Understand the wide variety of reporting options available.
- Write multiple reports from a single pass of a file.
- Understand Easytrieve's table processing capabilities.
- Demonstrate the data manipulation and file handling features.
- Compile and execute an Easytrieve program from object code.
- MACROS, IFs, Procedures
- External and Instream tables and redefined working storage.
- Subroutine processing.
- Array processing, DO WHILE.
- SORTing files, Virtual files.
- Match Files.

Programmers will be able to create ad-hoc reports, use sorting procedures, create output files, and match files to speed up all tasks that are currently done using COBOL or PL/1. Skeleton JCL and exercises will enable each person to begin using Easytrieve immediately when they return to their application areas.

## Audience

Programmers or analysts who need to perform report formatting and file manipulation in an IBM mainframe environment.

## Prerequisites

- A working knowledge of JCL
- Some type of programming exposure (COBOL, BASIC, FOCUS, etc.).

## Course Agenda

### Introduction

- Why Use Easytrieve
- Tasks Best Suited for Easytrieve
- Libraries to Work From
- Easytrieve JCL
- Example Program Tour

### Program Structure

- Sections of a Program
- Data Syntax Rules
- File Options
- Sample File Explanation

### Writing the Program

- Skeleton JCL and Debugging
- Exercise EZ01: Defining the FILE Section, Basic Report
- Exercise EZ02: Report Basics
- Exercise EZ03: Headings, Masks, Work Field in Report
- Exercise EZ04: Controlled Processing, Branching
- Exercise EZ05: Multiple Reports in Same Run/Extended Report Options
- Exercise EZ06: File Extracts and Easy Reformatting
- Exercise EZ07: Macros, IFs, and Procedures

### Advanced Program Structure

- Exercise EZ08: Instream Tables and Redefined Working Storage
- Exercise EZ09: External Tables and Labels
- Exercise EZ10: Date Macros, Simple Array
- Exercise EZ11: Array Processing, DO WHILE
- Exercise EZ12: Report Procedures
- Exercise EZ13: Sorts, Virtual Files, Matching

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## Course Agenda (continued)

### Conclusion

- Sending the Report to a Dataset
- Introduction to Your Application Datasets (if appropriate)
- Reference Card Highlights
- Exercise EXTRA01: Combine EZ06, EZ07, And EZ08 into One Job
- Exercise EXTRA02: Multiple Report Lines From a Record, DO WHILE
- Exercise EXTRA03: Matching, CARD Input, File Creation
- Additional Topics (if appropriate)
- VSAM File Load And Exercises
- Version 6.2 And Beyond Verbs (CASE)
- DB2 Table Loads And Exercises