

PL101 PL/1 For Programmers

Course Description This course provides students with the skills required to code, test and document programs using PL/1. The schedule includes many practical exercises covering various problems of progressive complexity.

Who Should Attend Participants should be programmers or programmer/analysts intending to develop and/or maintain PL/1 applications.

Pre-Requisites Previous programming knowledge is not necessary, but at least six months practical experience should have been gained in the IT applications environment. A working knowledge of TSO/ISPF, or similar would be of benefit during practical sessions but is not strictly necessary.

Duration 8 Days

PL/1 Introduction

The PL/1 Language

Program Organisation

The PROC - END Statements
Sub-routines Overview
General Language Syntax
Scope Of Variables

The DECLARE Statement

Functional Overview
Declarable Objects
PL/1 Basic Data Types
The Initial Attribute
The Defined Attribute

Assignments

String Assignment
Arithmetic Assignment
Data Conversion During Assignment

Arithmetic

Arithmetic Assignment (recap)
Arithmetic Operators
Arithmetic Expressions
Data Conversion

Conditional Processing

If-Then-Else
Conditions & Operators
Do-End
Select - End
Labels / Goto

Iterative Constructs

Do i = j to k BY(l) - End
Do While - End
Do Until - End

Exceptional Condition Handling

General Overview
On Error
PLIDUMP
On Endfile

Basic Builtin Functions

Functional Overview
Date, Time
Substr, Verify
Index, Translate
Mod, Round, Trunc

Sequential Record I/O

File Declaration
Open
Close
Read
Write

Aggregates

Structures
Arrays

Subroutines

Call
Parameters
Returns Attribute

Storage Class Concepts

Static, Automatic
Defined, Based Pointers