Course Name: RPG400 Programming

Course Code: ISRPP

Duration: 4 Days

Price: £ 2,200

Prerequisites:
Delegates should ideally have attended the System Facilities course (ISSFC) and Program
Design (ISPGD) prior to this course or have hands on experience of using PDM, SEU, SDA
and DDS.

Course Outline:
The course is aimed at programmers who will be developing or supporting RPG application
programs. The modern RPGLE syntax will be referred to only. During the course multiple
screen enquiry, reporting, and maintenance programs will be designed, developed and
linked together.

Course Content:
• External Printer file definition
• The structure of a report
• Processing a report
• Evolution of RPG
• RPG source code:
      Coding
      Compiling
      Binding
      The structure
• The RPG specification types
• Indicators
• Figurative constants
• The calculation specification
• Basic Operation codes
  Enquiry programs
• Interactive programs
• Operation codes
• Using and defining Subroutines

- Arithmetic Operation codes
- Linking programs together
- Operation codes for calling programs
- Passing parameters
- Database operations & Partial key processing
- Operation codes for file maintenance
- Debugging programs
- Standard & interactive source debug
- Uses of input specifications:
    Named constants
    Data structures
- The program status data structure:
    Introducing Subfiles
    The subfile and control records
    SDA for subfiles
    Subfile programming
    Types and techniques
    Subfile program logic
    File specifications
    Operation codes for processing subfiles
- Data areas:
    The local data area
    Operation codes for data areas
- Arrays:
    The definition of an array
    Extension specifications
    Compile time arrays
- Using subscripts:
    Operation codes for arrays

The concept of file maintenance:
    The logic of a file maintenance program
    Operation codes for file maintenance
    Record locking
    Data validation
    Error messages
    Using DDS keywords
    Validation loops
    Presence and absence checking

Follow on Courses: Advanced RPG/400 programming (ISRPT) or Cross over to Modern RPGLE (ISR4X). Also consider Power RPG with SQL (ISSQE) and RPG Subfile programming (ISRPS).

Schedule:
2024

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Dates available on request – Please call or email for details