Course Name: Introduction to Subfile Programming

Course Code: ISRPS

Duration: 1 Day

Price: £ 575

Prerequisites: A basic understanding of RPG programming as covered in the RPG programming course.

Course Outline:
Subfile Concepts
Loading Techniques (Load ALL, Expanding, Single Page)
Introduction to SFLxxx DDS Keywords
Declare Subfile(s) to an RPG program & control relative record numbers
Design & code a structured 'Load All' Subfile Program
Use page control keywords such as SFLSCROLL, SFLRCDNBR
Change attributes of Subfile content when required
Process & validate Subfile input
Use Hidden fields in the Subfile

Course Content:
Introduction to Subfiles:
- Describe a Subfile and what it is used for
- Define the two main Subfile formats
- Understand the structure of a Subfile
- Differentiate between Subfile loading techniques:
  Load All, Expanding, Single Page

Subfile DDS:
- Understand Basic Subfile DDS coding
- Understand & use the main Subfile control keywords:
  SFLCTL,
  SFLDSP,
  SFLDSPCTL,
  SFLCLR,
  SFLEND,
  SFLSIZ,
  SFLPAG

- Include error messages and conditioned attributes:
  - SFLMSG,
  - SFLMSGID,
  - ERRSFL

"Load All" Technique:

- Understand the main sub-routines required in a Subfile program:
  - CLEAR,
  - LOAD,
  - PROCESS
- Know how to define a Subfile to an RPG program
- Define and use Relative Record Numbers for a Subfile
- Code a 'load all' structured Subfile program
- Control which page of data is shown when Subfile is output to display:
  - SFLRCDNBR,
  - SFLSCROLL
- Control which records are read during Subfile processing
  - CHAIN,
  - READC
- Use DDS Keyword SFLNXTCHG

Additional DDS Keywords:

- All Subfile format keywords
- All Subfile Control format keywords
- How to code multiple Subfiles within a program

Follow on Courses: To enhance the knowledge gained on this course you may want to attend the Further Subfile course (ISRST). To further your RPG programming skills you may want to attend the Advanced RPG4 Programming course (ISR4A). The Power RPG with SQL course (ISSQE) course covers making the Subfile build very efficient and flexible.

Schedule:

2021

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