

IBM System i (AS/400) Concepts with Control Language

(AS25)

5 Days (60% Lecture, 40% Workshop)

This course provides an introduction to the IBM System i (AS/400) for Programmers, System Administrators and other technical personnel. Students learn programming tools and operational concepts which are supported by supervised Hands-on Lab exercises.

This class also provides an introduction to IBM i Programming using the i/OS Control Language. Among the class materials that each student receives are two textbooks and a student guide for their reference after the class.

This class provides the prerequisites needed to attend the RPG IV and COBOL Programming Workshops.

Prerequisites: A basic knowledge of computer concepts.

Course Outline

What is an IBM System i?

Introduction to the IBM I (AS/400)
System i Architecture

The System i User Interface

The Menu System
Control Language
 The Command Line Interface
 Commands and Parameters
 The Prompt Facility
The Help Facility
Tailoring Assistance Levels
Attn and SysReq Keys
Messages and Message Queues
 Sending Messages
 Viewing and Responding

Work Management Concepts

Interactive and Batch Jobs
Managing Job and Print Queue
Operations for Controlling Jobs
Submitting and Scheduling Jobs

The Object Based Architecture

Library Concepts
Object Types and Attributes
Library Lists
Libraries Objects and Members
The Integrated File System (IFS)

Using Program Development Mgr (PDM)

Working with Libraries, Objects and Members
 Using PDM
Customizing PDM for your use

Using the Source Entry Utility (SEU)

The Edit Display
SEU Line Commands
Find/Change Options
Browse/Copy Options

System i Database Concepts

Database Capabilities
Storage Management
Data Description Specifications
Creating Physical Files
Using Field Reference Files
Creating Logical Files

Introduction to IBM Query for i

Introduction to SQL / STRSQL

Screen Design Aid (SDA)

Creating your own Menus
Customizing the Sign-On Display

Control Language Programming

Introduction to Control Language

What is CL?
Command Names
Command Parameters

Basic CL Programming

Creating CL Programs
Structure of a CL Source Member
Declaring Variables
Manipulating Variables
CL Control Structures
Expressions
Controlling Workflow
Basic Error Handling

Input/Output in a CL Program

Passing Parameters
Using external attributes
Using Files and Data Areas
Writing your own administrative utilities

For more information, call (314) 932-2430 or (800) 936-3140
Or e-mail info@400School.com

The 400 School, Inc – St. Louis, MO USA