



GEMKO Information Group, Inc.

Information Systems Specialists

21st Century IBM i Developer Training Student Courses

Course 6 – Extending to the Web – A “Primer”

Length: 1 day

Delivery Method: Instructor led, group-paced, classroom delivery learning model with structured hands-on activities.

Course Description: This RPG programming training workshop demonstrates how to utilize IBM supplied tools to bridge the gap between your mission critical RPG business logic and the World Wide Web.

Course Objective: You will learn how to enable your RPG programs to output to web browsers on a real time basis, and thus generate dynamic web pages with your IBM i business data.

Target Student: This course is designed for programmers who are proficient in RPG IV and are looking to provide browser based access to their IBM i data and legacy RPG business functions.

Prerequisites: Courses 1, 2, 4 or comparable experience.

Performance Based Objectives: Upon successful completion of this course, students will be able to:

- Create and maintain an Apache server instance capable of running RPG programs
- Writing static HTML pages from scratch
- Build HTML forms to communicate with programs
- Use system API's to interact with the Apache server
- Modify RPG programs to be launched from and output to web pages
- Generate dynamic HTML through use of RPG
- Transform spooled files into browser friendly HTML

Course Content:

- Configuring the Apache server on IBM i
- HTML crash course
- Common Gateway Interface concepts
- Enabling CGI in RPG IV
- IBM's CGIDEV2 library (and why I hesitate to use it)
- Web enabling spooled files
- Performance considerations
- Comprehensive labs