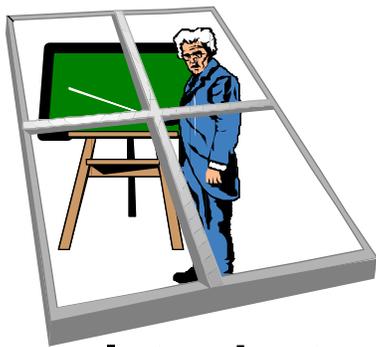


# TopSpeed® Educational Services



*Question:* Now that I have the best Rapid Application Development system on the market, how do I get the shortest possible learning curve? *Answer:* the TopSpeed education department offers training courses at all levels to all Clarion for Windows developers. Courses concentrate on teaching you the tips, tricks and techniques of working with Clarion. You'll learn the practical knowledge that no reference book can give you; the kind that saves the day when you're faced with an imminent project deadline.

This listing describes our current course offerings and schedule (through September, '95) for Clarion for Windows. Classes are offered weekly in Pompano Beach, and other locations as published in the schedule. Please call us if your company would like to make special arrangements for *on-site* training.



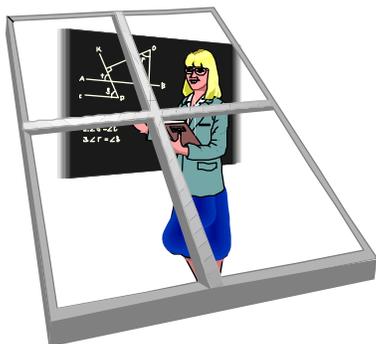
## Introductory Level Training

### 1. Generating Windows Applications with Clarion for Windows: 4 Days/\$999

This course introduces students to database application development in Windows. It applies a step-by-step approach to the entire development cycle, from relational database theory and data dictionary design, to application development using the default templates. Design considerations, program linking and distribution, and file maintenance are also examined in detail. Students create a Windows application, guided by lab exercises to reinforce techniques and concepts discussed and demonstrated during the lecture periods. A lab solutions diskette is distributed at the conclusion of the class.

Begin	End	Location	Begin	End	Location
6/12/95	6/15/95	Pompano Beach, FL	9/18/95	9/21/95	Pompano Beach, FL
7/17/95	7/20/95	Pompano Beach, FL			

*Prerequisites:* a good familiarity with the DOS and Windows environments. Although prior database development experience is helpful, it is not required. Prior programming or development experience using Clarion is not necessary.



## Intermediate Level Training

### 2. Customizing Windows Applications with Clarion for Windows: 4 Days/\$999

The seminar discusses program development using the Application Generator, with special emphasis on the use of embedded source code to customize your applications. Structured lectures provide you with a firm understanding of the major components of window processing (e.g., modal and MDI), file processing (e.g., threaded, ALIAS, and VIEWS) and report processing. Additional topics include: program organization, QUEUE processing, the debugging process, creating external libraries, and an introduction to the Clarion Template Language.

Begin	End	Location	Begin	End	Location
6/19/95	6/21/95	Pompano Beach, FL	8/21/95	8/24/95	Pompano Beach, FL
7/17/95	7/20/95	Kansas City, MO			

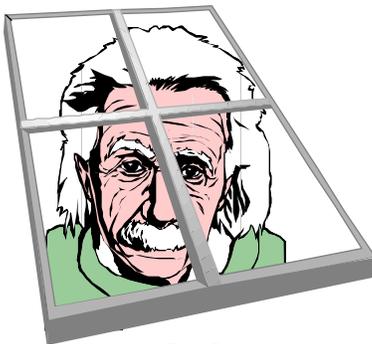
*Prerequisites:* This seminar is intended for students with a firm understanding of the DOS and Windows environments, relational database theory, and familiarity with the Clarion for Windows development process. Students should have completed the introductory level training class, or already have experience creating Clarion for Windows applications. Clarion users who are converting DOS applications to the Windows environment should attend this seminar only if they wish to gain a complete understanding of the Clarion language, including some fundamentals already existing in the DOS based product.

### 3. Windows Application Development for Clarion Users: 4 Days/\$999

This intermediate level seminar introduces Clarion for Windows to users of the Clarion Database Developer. It provides an in-depth discussion of the environment and features new in the Windows version. Also discussed are the considerations of designing Windows applications, as opposed to DOS applications, changes to the Clarion language and the template language, the Windows debugger, and the steps necessary to migrate existing source code and applications to the Windows environment. *In addition to the structured lecture and lab exercises, time is allocated for participants to work on converting their programs with the guidance and assistance of our instructors.*

Begin	End	Location	Begin	End	Location
6/12/95	6/15/95	Atlanta, GA	8/14/95	8/17/95	Los Angeles, CA
6/19/95	6/22/95	San Antonio, TX	8/21/95	8/24/95	Hartford, CT
7/10/95	7/13/95	Detroit, MI	8/28/95	8/31/95	Raleigh, NC
7/24/95	7/27/95	Cincinnati, OH	9/11/95	9/14/95	Dallas, TX
7/31/95	8/03/95	Washington, D.C.	9/18/95	9/21/95	Chicago, IL
7/31/95	8/03/95	Pompano Beach, FL	9/25/95	9/28/95	Salt Lake City, UT
8/07/95	8/10/95	San Francisco, CA			

*Prerequisites:* This seminar is intended for individuals with a working knowledge of the Clarion Database Developer and Windows. This seminar is ideal for those individuals who are considering converting or rewriting their DOS based applications to the Windows environment. A good familiarity of the DOS and Windows operating systems are required.



### Advanced Level Training

### 4. Advanced Programming with Clarion for Windows 4 Days/\$999

This seminar features an extensive examination of advanced features and language techniques, using a "case-study" approach. This includes: use of Application Generator equates and routines, advanced property syntax, drag and drop implementation, API, ODBC and Client/Server considerations, using DDE, external libraries and .VBX controls, and understanding and customizing Clarion for Windows templates.

Begin	End	Location	Begin	End	Location
6/05/95	6/08/95	Los Angeles, CA	6/26/95	6/29/95	Pompano Beach, FL

*Prerequisites:* Students attending this seminar must have completed either intermediate level seminar, or provide a sample of their work demonstrating a moderately high level of proficiency in creating Clarion for Windows applications.

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## DISCOUNT COUPON

PAY TO THE ORDER OF: This Clarion Purchase \$ \$100 Off

\_\_\_\_\_ DOLLARS

*As a bonus for purchasing Clarion for Windows, this coupon provides a \$100 discount off the regular price of any Clarion for Windows course. To schedule a class and redeem this coupon, or to obtain more information regarding classes and schedules, please call Linda Bart, at 800-354-5444, ext 130.*