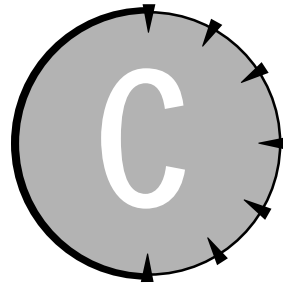


APPENDIX



What's On the CD-ROM

The CD-ROM that accompanies this book contains materials to help you work through the sessions and learn C++ in a weekend:

- Installation files for the GNU C++ compiler
- The C++ Weekend Crash Course Self-Assessment Test
- A complete set of all the programs from the book

GNU C++

The installation files for GNU C++ that you'll find on this CD-ROM were taken from the Delorie Web site mentioned in Session 3. Here we've provided complete sets of install files for Windows 95, 98 and NT/2000.

To install GNU C++ from these files, follow these steps:

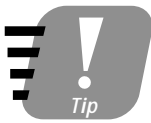
1. Create a folder named \DJGPP.
2. Copy the complete set of Zip files from the appropriate folder on the CD-ROM for your version of Windows into the DJGPP folder.
3. Unzip the files into the DJGPP folder itself.
4. Add the following commands to AUTOEXEC.BAT:

```
set PATH=C:\DJGPP\BIN;%PATH%  
set DJGPP=C:\DJGPP\DJGPP.ENV
```

Note: the above command lines assume your DJGPP folder is directly under C:\. If you've placed your DJGPP folder somewhere else, substitute that path in the commands above.

5. Reboot to complete the installation.

The \BIN folder, created when you unzip the files, includes the actual GNU tool executables. The DJGPP.ENV file sets a series of options to describe the Windows GNU C++ “environment.”



Before you begin using GNU C++ check the DJGPP.ENV file to make sure that Long File Name support is enabled. Disabling Long File Name support is the most common GNU C++ installation error.

Open the DJGPP.ENV file using a text file editor such as Microsoft Notebook. Don't worry if you see one long string of text punctuated by little black boxes — Unix uses a different newline character than Windows. Look for the phrase “LFN=y” or “LFN=Y” (the case is not important). If you find “LFN=n” instead (or if you don't find “LFN” at all), change the “n” to a “y”. Save the file. (Make sure that you save the file as an ASCII text file and not in some other format such as a Word .DOC file.)

C++ Weekend Crash Course Self-Assessment Test

The C++ Weekend Crash Course Self-Assessment Test provides you with a way to check your knowledge and skills once you've completed the book. Its fifty questions cover the entire range of basic C++ concepts.

Sample Programs

The \Programs folder contains the source code for each of the programs found in the book. I suggest that you copy the entire folder and all its subfolders to your hard disk; however, you may copy individual source files if you prefer.

The programs are separated by session. Each session's folder includes the .CPP source file plus executables; the latter are present only as a convenience to the reader. You may execute the programs directly from the CD-ROM. The .EXE executable found in the folder itself was generated by GNU C++. The Visual C++ .EXE is present in a subfolder named DEBUG.

Session 2 contains directions for building a program using Visual C++. Session 3 contains similar instructions for GNU C++.

Note: Two source files are slightly modified from that appearing in the book:

1. The function `ltoa()` has been replaced with a call to the functionally equivalent function `itoa()` in `ToStringWStream.cpp` in Session 29.
2. GNU C++ uses the full name `strstream.h` while Visual C++ uses the 8.3 format of `strstrea.h`. The reference to this include file in `ToStringWStream.cpp` must be adjusted accordingly. The source code appearing here uses an `#ifdef` to decide automatically which include file name to use. The source code in the book indicates the problem via a comment.

