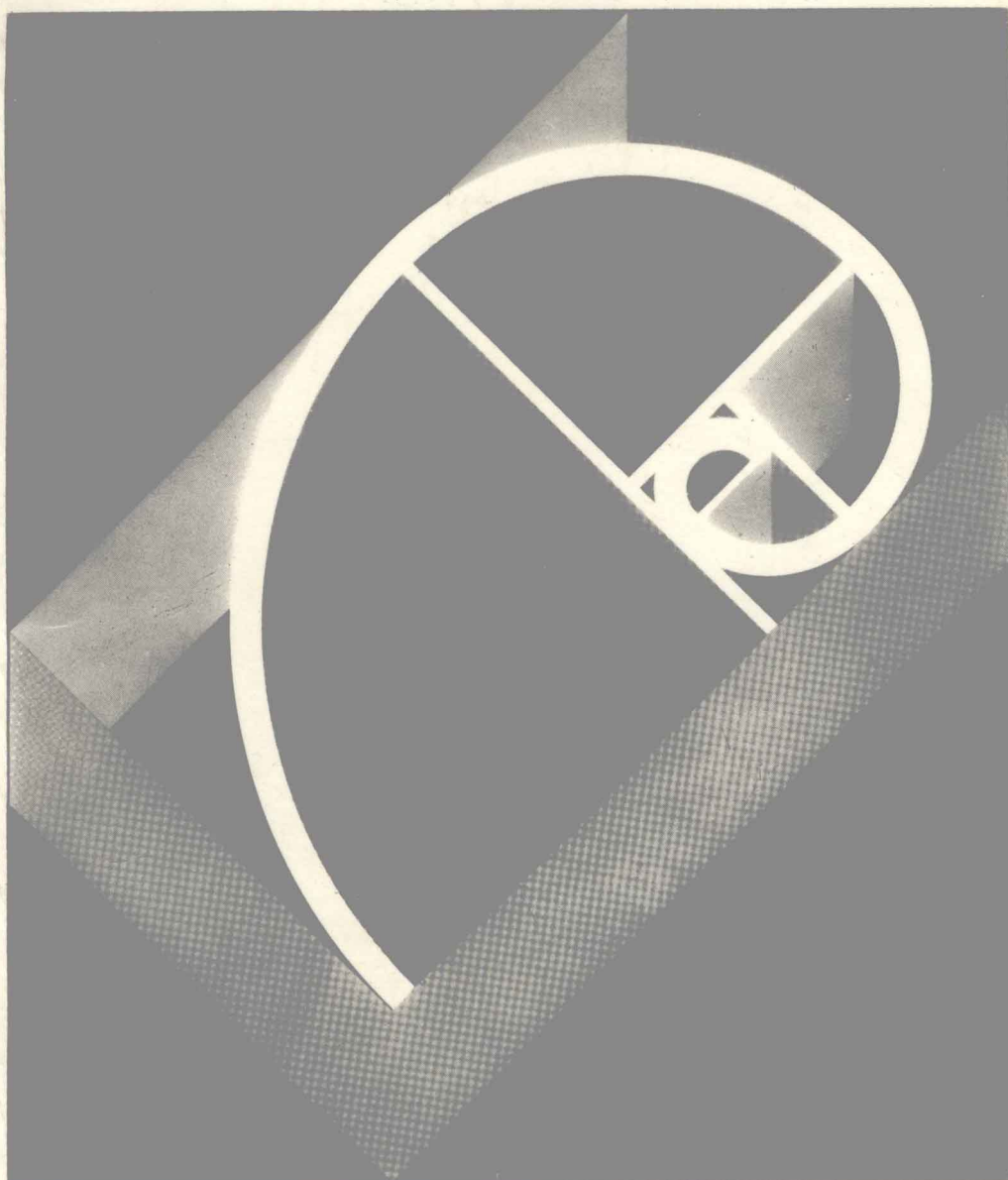




Open Client[™] Using Client Library

Open Client Using Client-Library

Version 1.0



SYBASE®

The Enterprise Client/Server Company™

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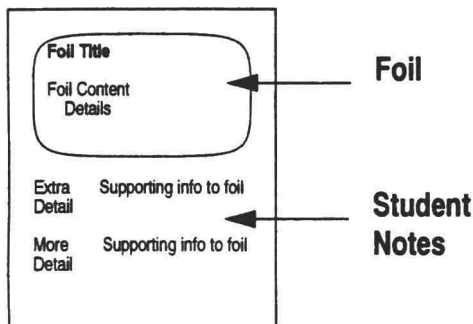
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How to Use This Guide

Student Guide

- The pages of this Student Guide are divided into two sections: a reduced foil and a set of student notes.
- Your instructor will project the foil during class. The student notes provide additional notes to accompany the foil.



Lab Workbook

- In addition to the Student Guide, you are supplied with a Lab Workbook.
- The Lab Workbook includes a complete set of lab instructions and solutions for each lab.
- Each module usually includes at least one lab. The lab name and number in the Student Guide correspond to the same lab name and number in the Lab Workbook.

ICONS



Reference: Additional references are available for the current topic



Continued: The code is continued on the following page



Warning: This piece of information is important, and not adhering to it may cause you to run into some problems

How to Use This Guide

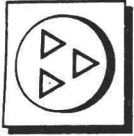
- Putting It All Together**
- Some pages include only a code fragment or a code summary.
 - They are provided for your reference to help illustrate how the commands work in sequence.
 - Use the code fragments to complete the labs.
 - The instructor may or may not display these sections

```
Code Fragment
main()
{
    /* comments */

    code
    code
    code

    /* code deleted */
}
```

Diagramming Conventions



Client application



SQL Server



Course Introduction

Open Client Using Client-Library

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Course Objectives

- Build an application that demonstrates typical tasks of Client-Library
- Create additional programs that perform specific tasks:
 - Dynamic SQL
 - Reading and writing text
 - Import and export bulk data

Course Description

Overview

You will develop a client application using Client-Library and the System 10 SQL Server. In developing your application, you will learn to initialize the client/server environment, send requests to SQL Server, and process results. Special topics that will be covered are cursors, dynamic SQL, remote procedures calls, and bulk copy.

Skills Acquired

- Build client/server applications using Client-Library
- Use the new features of the SQL Server for System 10, such as server-side cursors

Prerequisites

- Relational database concepts
- SQL Server programming, at the level of Fast Track course
- C programming experience

Target Audience

- RDBMS application developers and system integrators

List of Modules

Day 1

1. Introduction to Client-Library
2. Client-Library Programming Setup
3. Sending Commands to the Server
4. Customizing Client-Library Behavior/Handling Errors and Messages

Day 2

5. Handling Normal Rows
6. Getting the Description for Normal Rows
7. Running Stored Procedures
8. Dynamic SQL

Day 3

9. Cursors: Reading Cursors
10. Cursors: Updating Cursors and Array Binding
11. Reading Text from a File and Writing to the Server
12. Importing and Exporting Bulk Data

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