



CHAPTER 8

LECTURE OUTLINE

Computer Science Illuminated, Seventh Edition

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Abstract Data Types and Subprograms

8.1 What Is an Abstract Data Type?

8.2 Stacks

8.3 Queues

8.4 Lists

8.5 Trees

- Binary Trees

- Binary Search Trees

- Other Operations

8.6 Graphs

- Creating a Graph

- Graph Algorithms

8.7 Subprograms

- Parameter Passing

- Value and Reference Parameters

Summary

Ethical Issues: Workplace Monitoring

Key Terms

Exercises

Thought Questions