



CHAPTER 5

LECTURE OUTLINE

Computer Science Illuminated, Seventh Edition

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Computing Components

5.1 Individual Computer Components

5.2 The Stored-Program Concept

- von Neumann Architecture

- The Fetch–Execute Cycle

- RAM and ROM

- Secondary Storage Devices

- Touch Screens

5.3 Embedded Systems

5.4 Parallel Architectures

- Parallel Computing

- Classes of Parallel Hardware

Summary

Ethical Issues: Is Privacy a Thing of the Past?

Key Terms

Exercises

Thought Questions