



Computer Science
Illuminated

Nell Dale *and* John Lewis *Fourth Edition*

Chapter 11

**File Systems
and Directories**

Chapter Goals

- Describe the purpose of **files**, **file systems**, and **directories**
- Distinguish between **text** and **binary files**
- Identify various file **types** by their **extensions**
- Explain how file **types** improve file usage
- Define the basic **operations** on a file

Chapter Goals

- Compare and contrast **sequential** and **direct file access**
- Discuss the issues related to file **protection**
- Describe a **directory tree**
- Create **absolute** and **relative paths** for a directory tree
- Describe several **disk-scheduling** algorithms