COMPUTER SYSTEMS FUNDAMENTALS
(4COSC009C)

Contact details

- Module Leader:

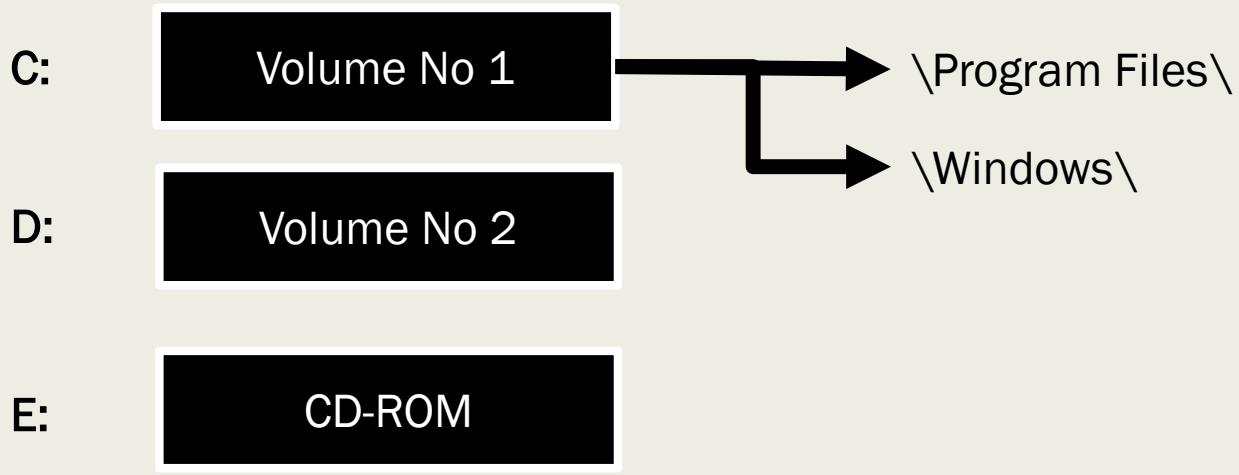
In File Systems

- Windows volumes
- Unix volumes
- Directories
- Absolute path names
- Relative path names

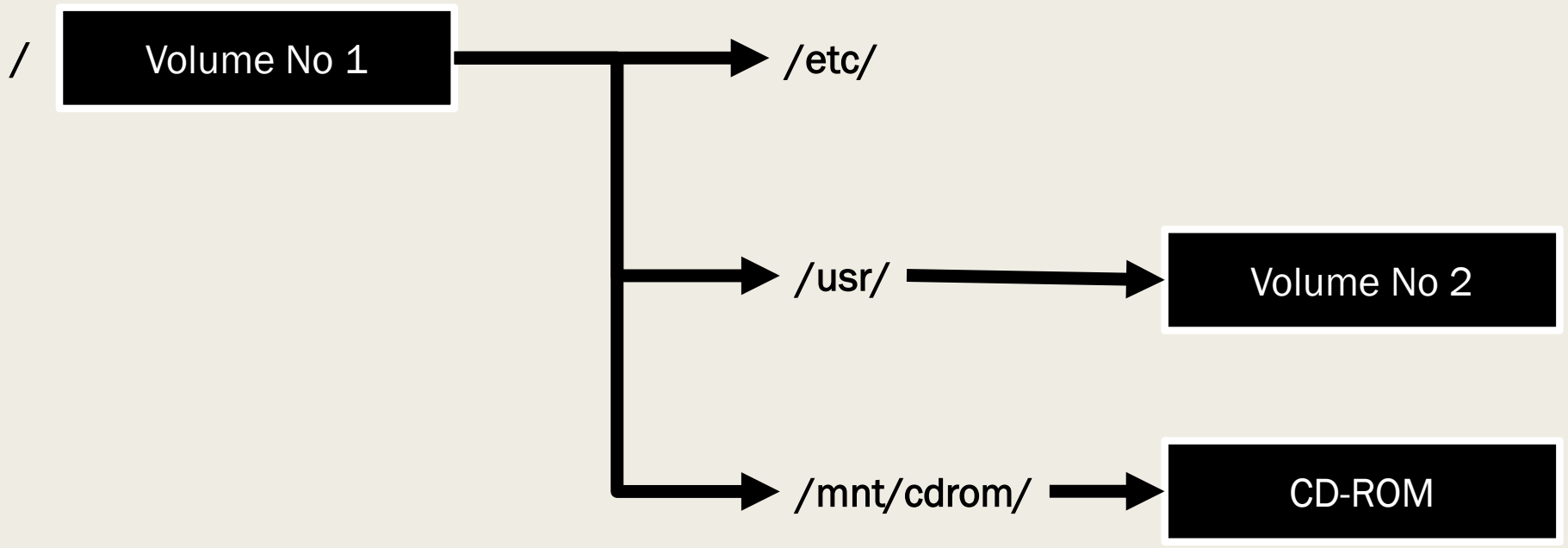
FILE SYSTEMS

- Partition Sector Zero
  - *FAT16*
  - *Reading & understanding*
- Volumes & Partitions
- Windows & Unix partitions
- Directory structures & terminology
  - *Root Directory*
  - *Parent Directory & Subdirectory*
  - *Absolute Path Names & Relative Path Names*

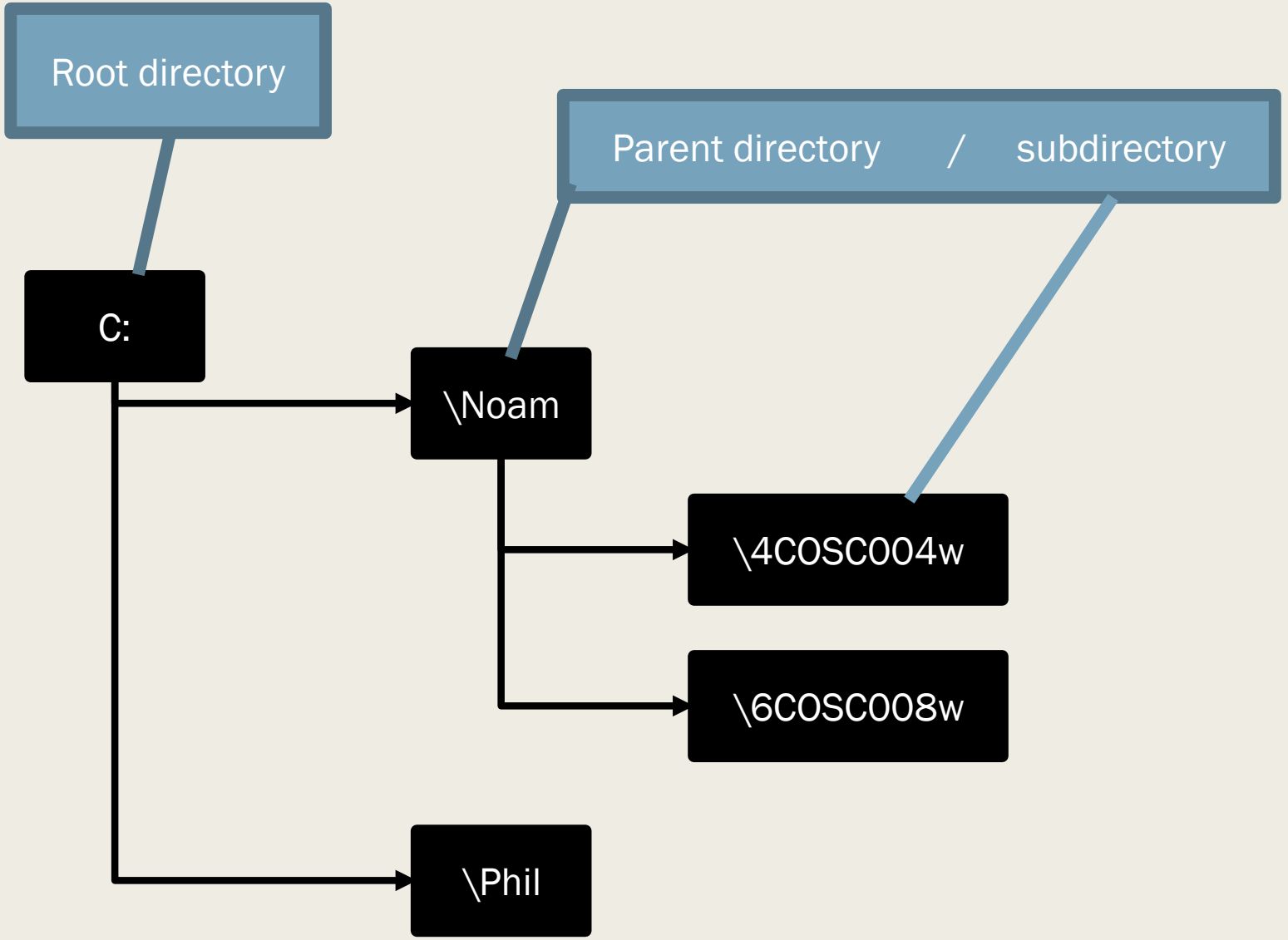
Windows OS



Unix OS



Directory Trees - Logical view



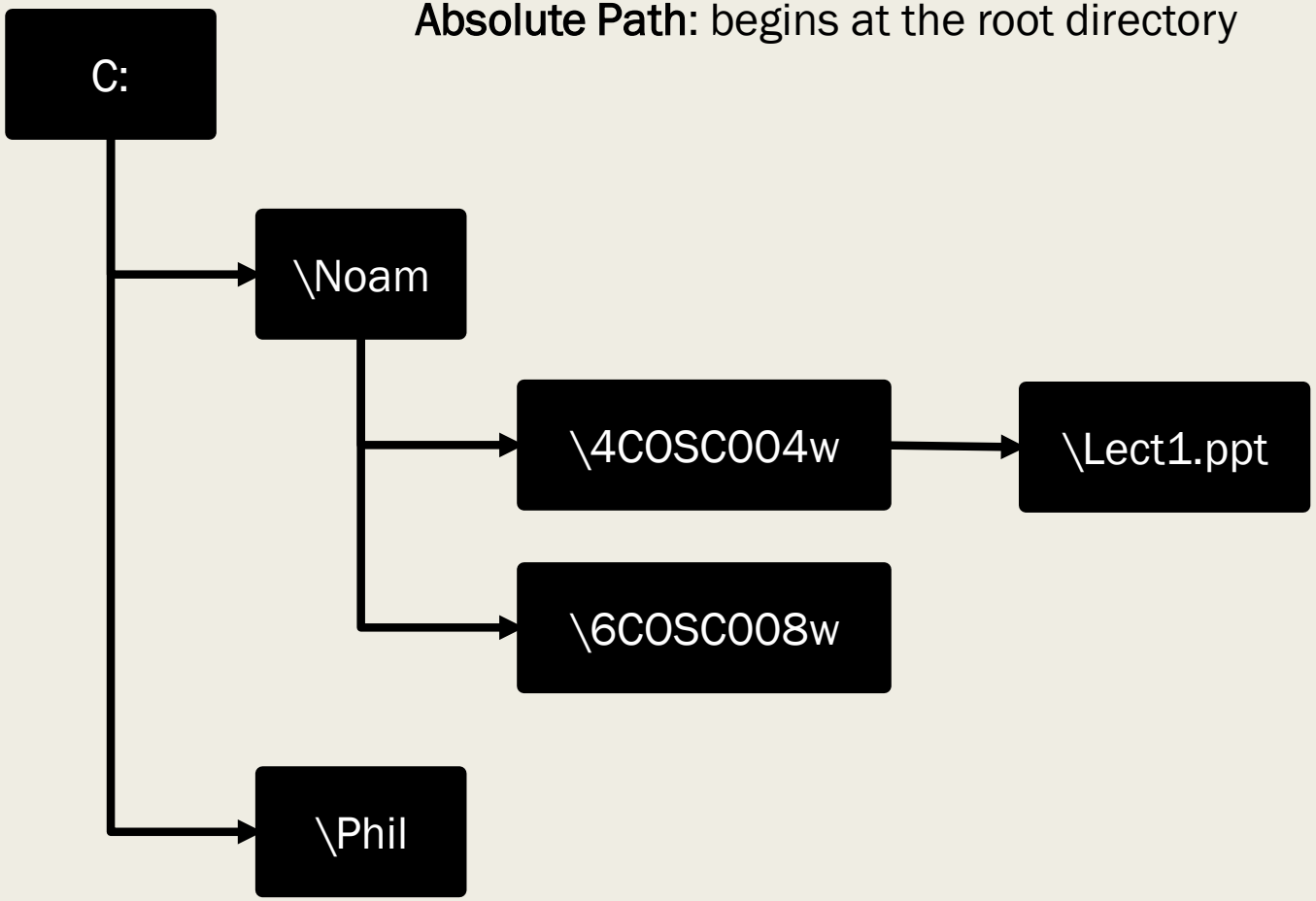
Directory tree – Working directory

- At any point in time, you are working in a specific location.
  - *Directory*
- **Working Directory**

Directory Trees - Absolute path names

Path : text designation to the location of a file or subdirectory in a file system.
Consists of the series of directories to find the file

Absolute Path: begins at the root directory



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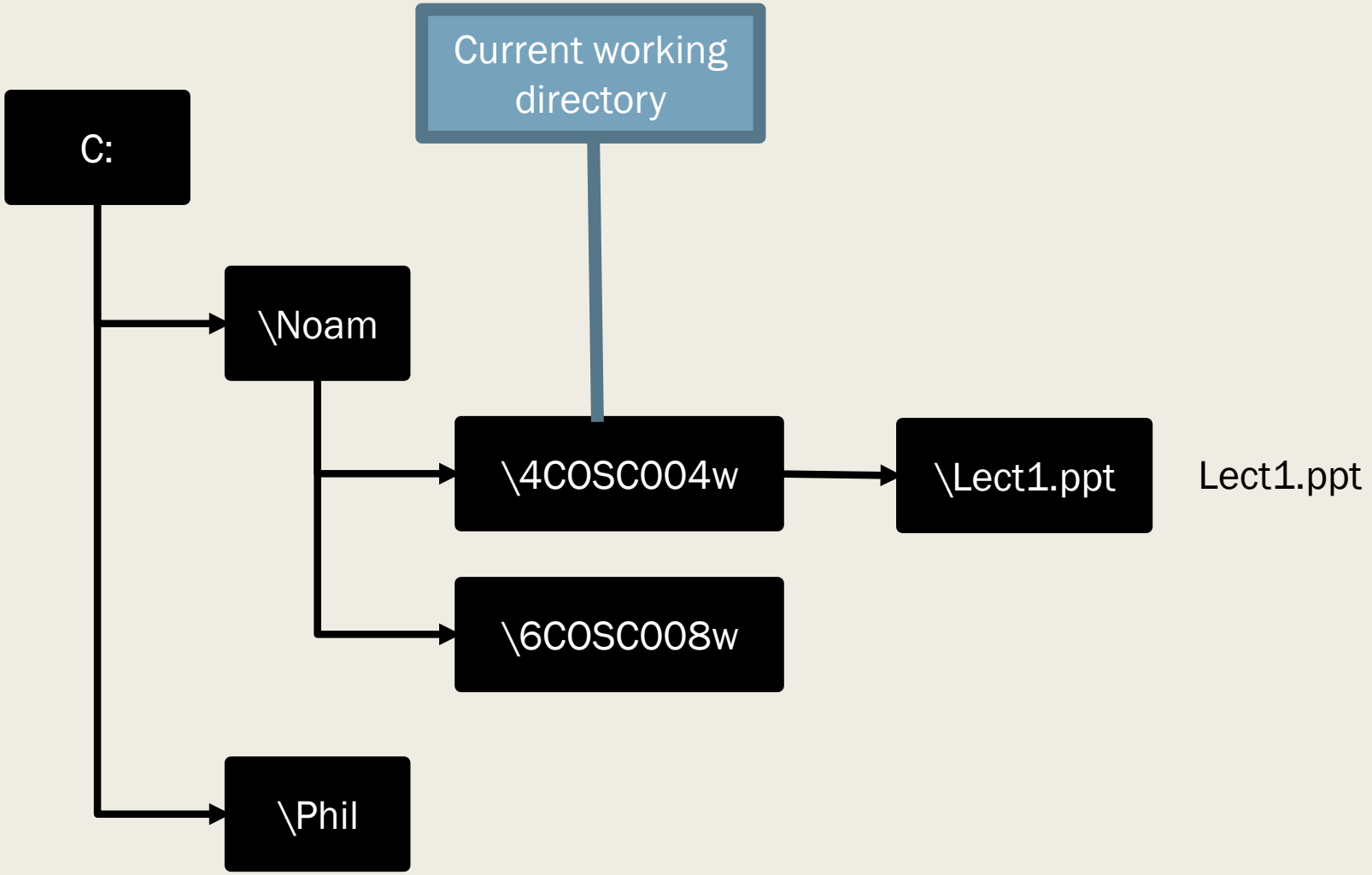
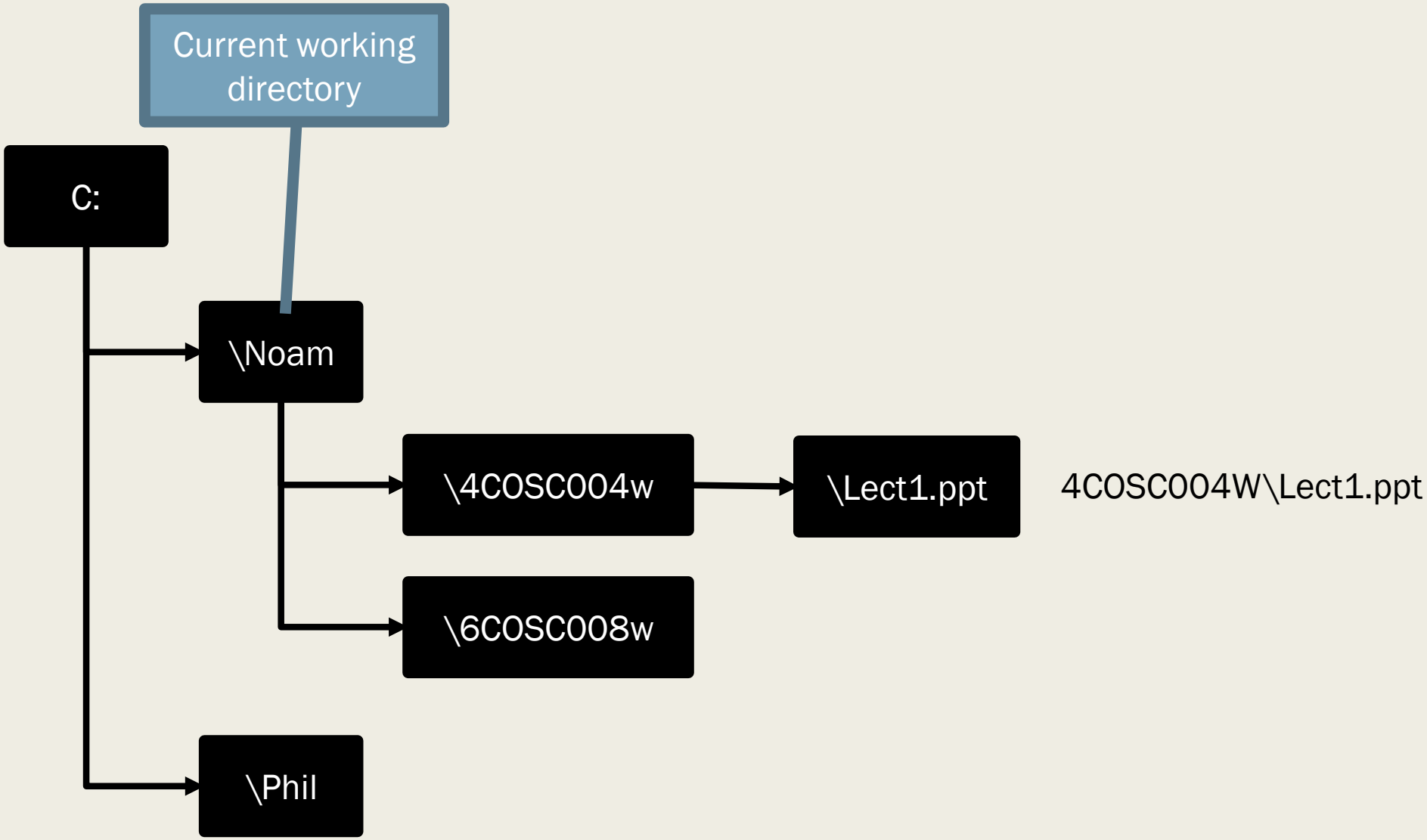
Directory Trees - Relative path names



Lect1.ppt

Directory Trees - Relative path names



File Systems – Definitions of Terms

- **File**: A named collection of related data and is a collection of bits stored as bytes on a medium. Bytes are grouped as Blocks or Sectors. Data are transferred to/from main memory in chucks of Blocks as defined by the File Management Software.
- **File System**: The Logical View that an OS provides so that users can manage information as a collection of files.
- **Directory**: A named group of files

we have covered:

- Volumes & Partitions
- Windows & Unix partitions
- Directory structures & terminology
  - *Root Directory*
  - *Parent Directory & Subdirectory*
  - *Absolute Path Names & Relative Path Names*

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