Naming i	n File Systems	
Naming i	The Systems	
COM10 221		
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A "directory	" maps <u>file names</u> to <u>fil</u>	<u>es</u>		
Two alterna	tives for storing file nar	nes		
• The file na	me is <b>in</b> each inode			
file size	block numbers		file name	
• The file na	me is <b>separate from an</b> d	d linked to	the inode	
file size	block numbers		inode #	file name































## The "." and ".." names

- Doing things like "./myprogram" or " cd ../otherdir" are not special cases
- The *first two* entries in *every* directory have the names "." and ".."
  - Inode number in "." entry is the directory's own inode number
  - Inode number in ".." entry is the directory's parent's inode number
  - In the root directory (inode 2), the inode number for ".." entry is also 2
- The "." and ".." entries are always created as part of creating the directory itself and cannot be removed

- The "." and ".." entries are *really* there, on disk, in *every* directory

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