

File Access: Reading & Writing

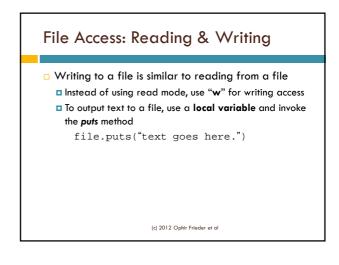
file

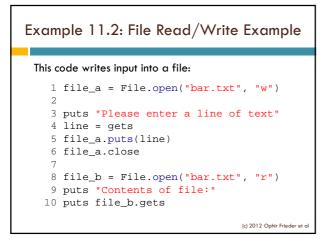


To read a line of characters from a file, call the gets method
 gets will read a new line each time
 Returns nil when it reaches the end of the

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Example 11.1: Sample Code for File Reading			
<pre>1 file = File.open("foo.txt", "r") 2 whole_file = "" 3</pre>			
4 while (input_line = file.gets) 5 whole_file += input_line 6 end 7			
8 puts "Contents of input file:"			
9 puts whole_file			
Note: Reads and prints the "foo.txt." file			
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File Reader Class



- We can now define a class which encapsulates file reading
- The next example encapsulates reading and displaying a file

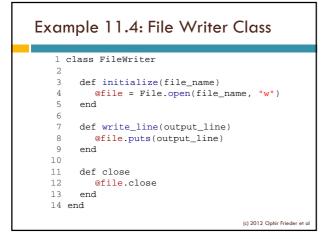
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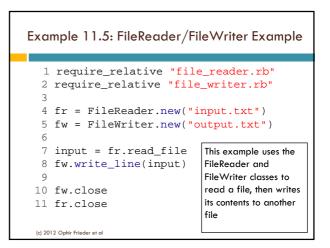
Example 11.3: File Reader Class			
	-	class FileReader	
	2		
		<pre>def initialize(file_name)</pre>	
	4	<pre>@file = File.open(file_name, "r")</pre>	
	5	end	
	6		
	7	def read_file	
	8	whole_file = ""	
	9	while (input_line = @file.gets)	
	10	whole_file += input_line	
	11	end	
	12		
	13	return whole_file	
	14	end	
	15		
	16	def display	
	17	puts "Contents of input file:"	
	18	puts read_file	
	19	end	
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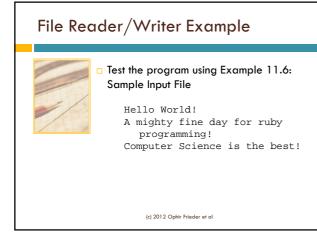
Example 11.3 Cont'd

21 def close 22 @file.close 23 end 24 end

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Summary



- We described the basic file input and output operations
- Note that Ruby allows other file operations that are not covered in these lectures.

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