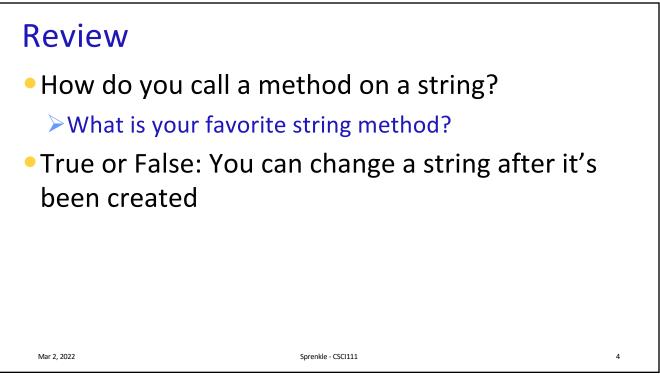
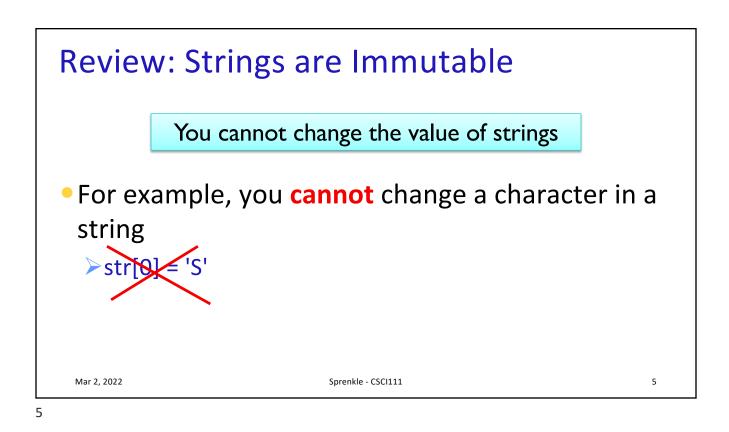


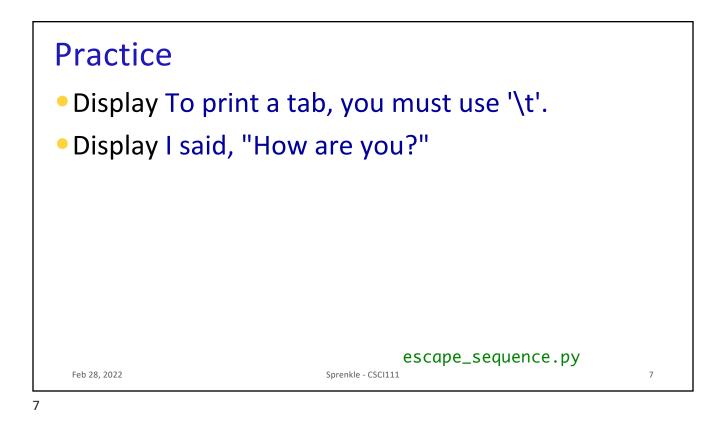


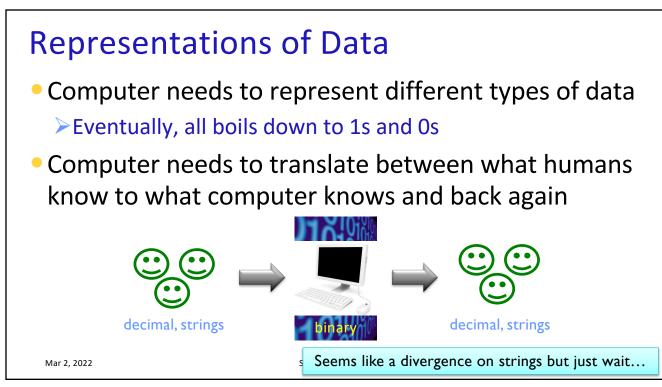
 Indefinite loops Hardest probler Even more tools A lot of String 	Far have I come in Computer Science? equire a different way of thinking was second rather than last that you can combine—with new tools or old tools! perations	
 Break down pro Solve what yo Not necessaril 	lot of arithmetic operations, but you're familiar with those lems can; break down what you can't linear development ething and then undo it for the next step	
, Mar 2, 2022	Sprenkle - CSCI111 3	
3		

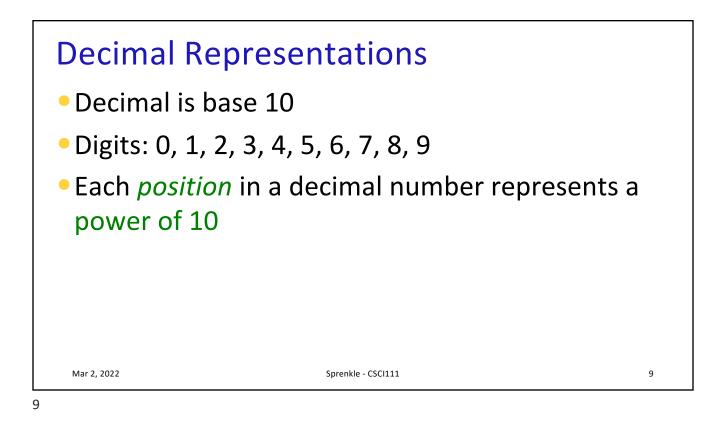


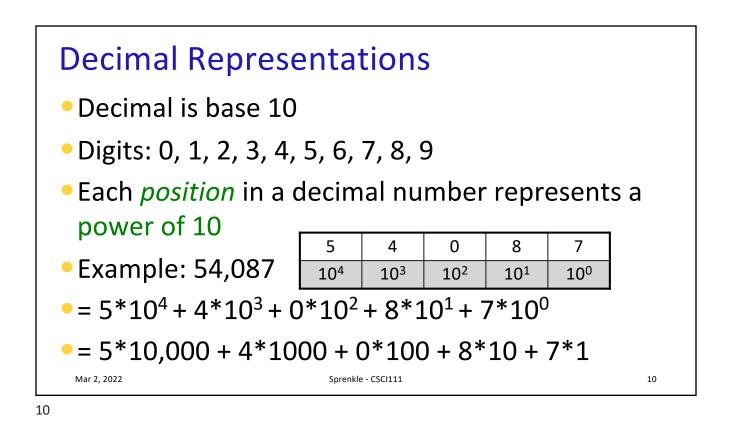


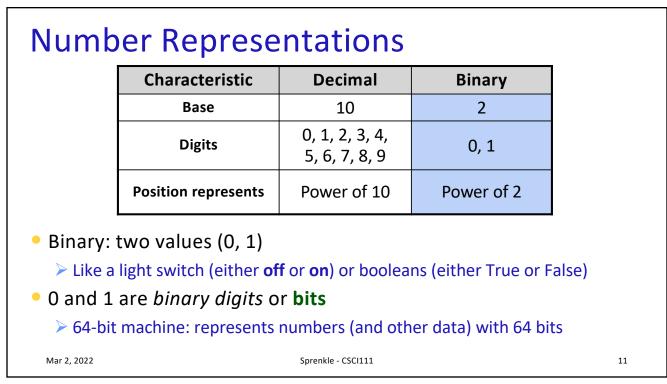
Escape Sequences					
• Escape character: 🔪					
• Escape sequences:					
\succ newline character (carriage return) $\rightarrow \n$					
\succ tab $\rightarrow \t$					
\geq quote \rightarrow \" or \'					
\succ backslash $\rightarrow \setminus \setminus$	Interactive demonstration				
• Example:					
<pre>>print("To print a \ you must use \"\\\\\"")</pre>					
• What does this display?					
Feb 28, 2022 Sprenkle -	csciiii demo_str.py 6				



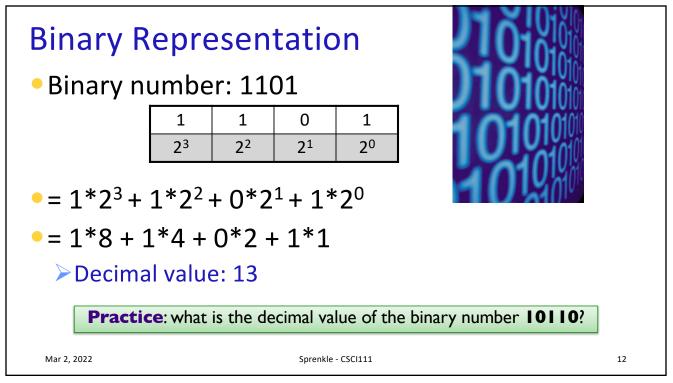


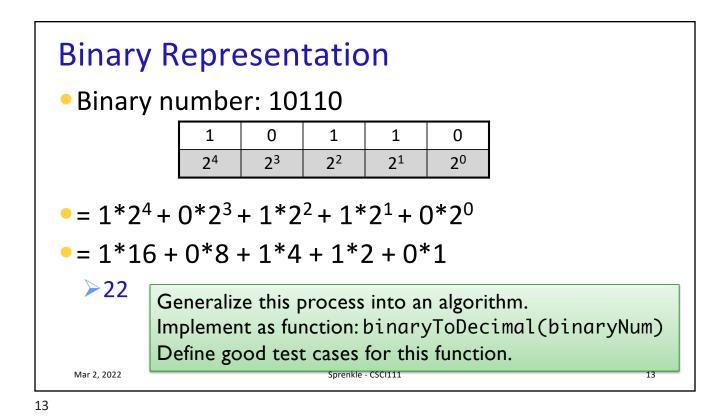


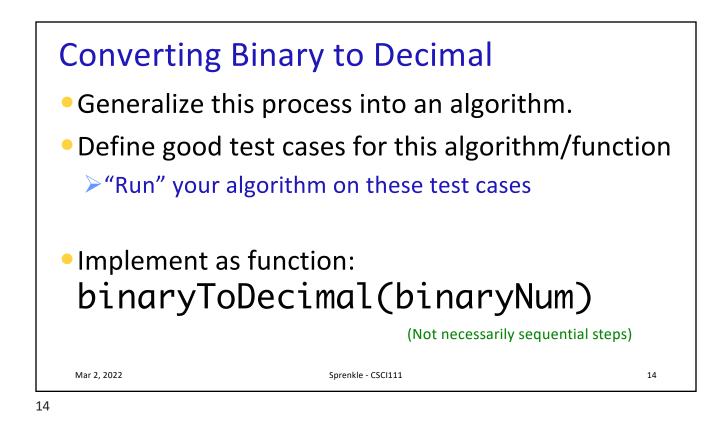












Algorithm 1: Converting Binary → Decimal Left to right traversal of binary number				
	Accumulator design pattern			
 Given the binary number as a string 1. Initialize the result to zero 2. The starting exponent will be the length of the string-1 3. For each bit in the binary number > Multiply the bit by the appropriate power of 2 > Add this to the result > Reduce the exponent by 1 4. Return the result 				
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