







Algorithm 1: Convert Left to right traversal of I	i ng Binary → Decimal Dinary number				
	Accumulator design pattern				
Given the binary n	umber as a string	·			
1. Initialize the result to zero					
The starting exponent will be the length of the string-1					
 For each bit in the binary number 					
Multiply the bit	by the appropriate power of	of 2			
Add this to the r	result				
Reduce the exponent by 1					
4. Return the resu	lt				
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5					













ASCII Questions Lowercase letters are represented by what range of numbers? >97-122 Uppercase letters are represented by what range of numbers? >65-90 What is the difference between the decimal encoding of 'M' and 'N'? > Between 'm' and 'n'? >1 Explain why "Zebra" < "aardvarks" evaluates to True > ord("Z") < ord("a")





Caesar Cipher • Replace character with a character	or Y				
Places away ➤X is called the <i>key</i>	Original Letter	Кеу	Encrypted Letter		
 Julius Caesar used technique 	'a'	1	ʻb'		
to communicate with	'b'	1	ʻc'		
his generals	'z'	1	'a'		
 "Wrap around" within the lowercase letters Write program(s) to do this in next lab 					
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Caesar Cipher Using the ASCII handout, what would be the encoded messages? **Encoded Message** Message Key apple 5 zebra 5 the eagle flies at -5 midnight Mar 3, 2023 Sprenkle - CSCI111 16











