

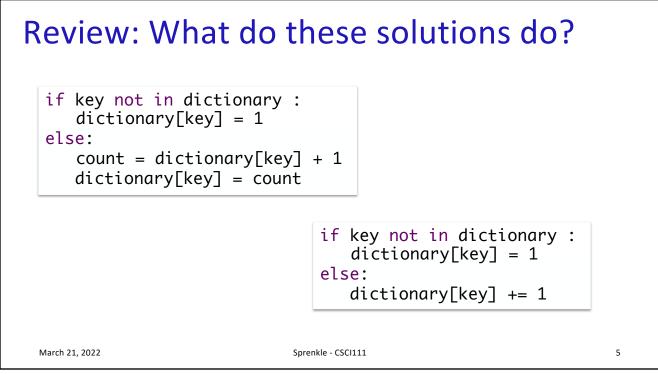
Discussion: Comparing Lists and Dictionaries				
•What are their structures? Properties?				
•How are they similar?				
• How are they different?				
• When do you use one or the other?				
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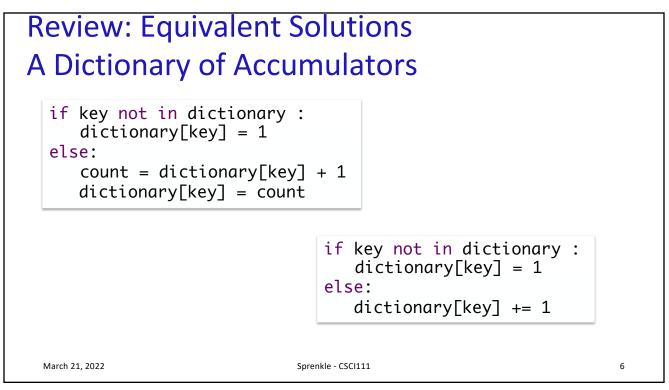
Lists vs. Dictionaries

Lists	Dictionaries	
integer positions (0,) to any type of value	Map immutable keys (int, float, string) to any type of value	
Ordered	Unordered	
Slower to find a value (in or find)	Fast to find a value (use key)	
Fast to print in order	Slower to print in order (by key)	
Only as big as you make it	Takes up a lot of space (so can add elements in the middle)	

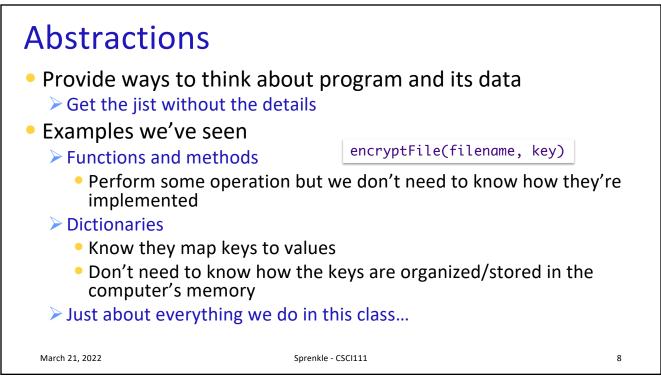
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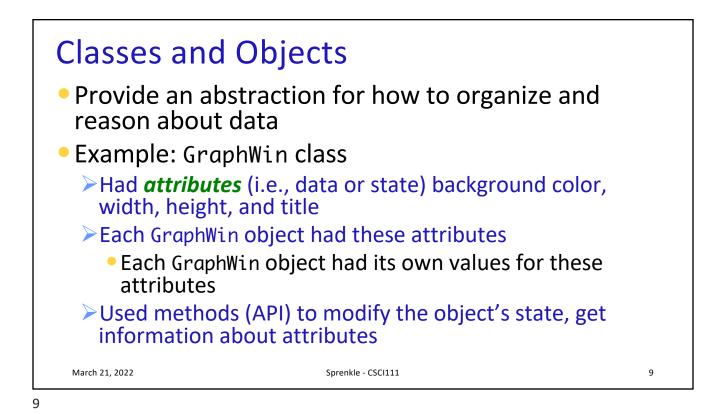
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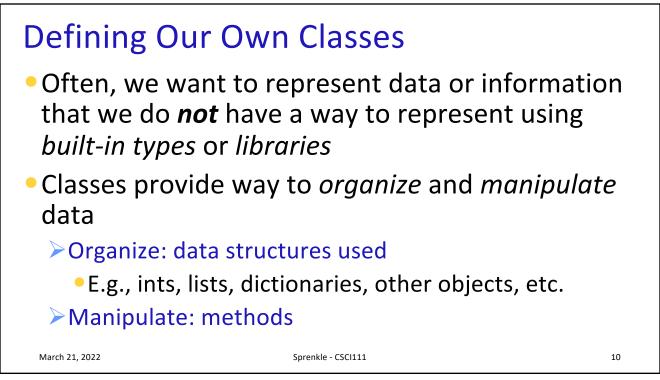


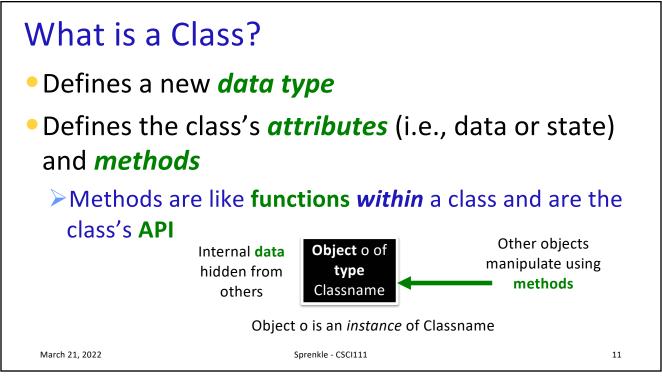


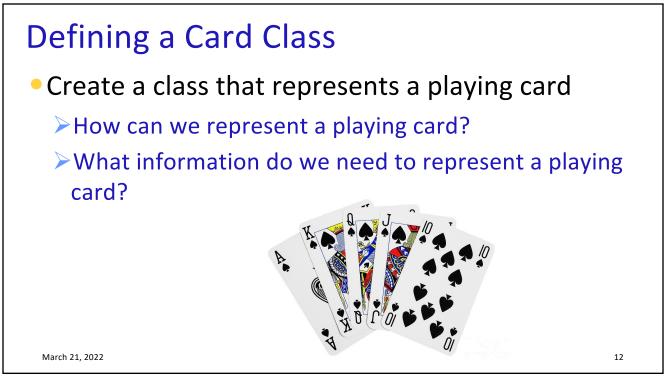
ABSTRACTIC	ONS	

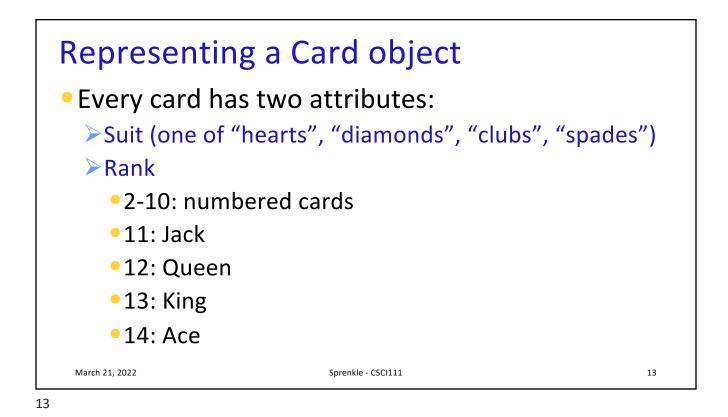


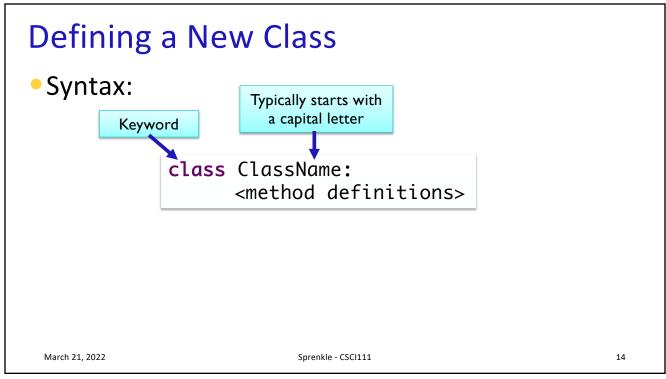


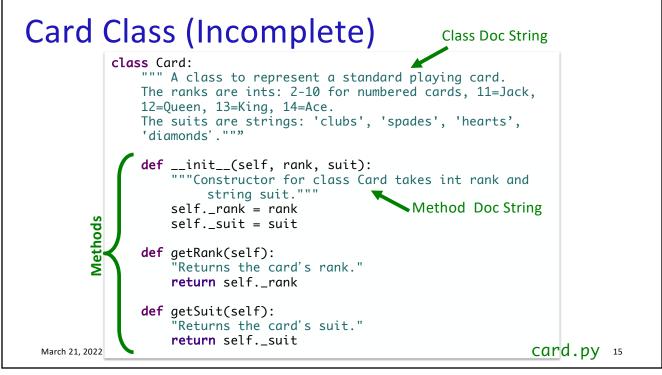




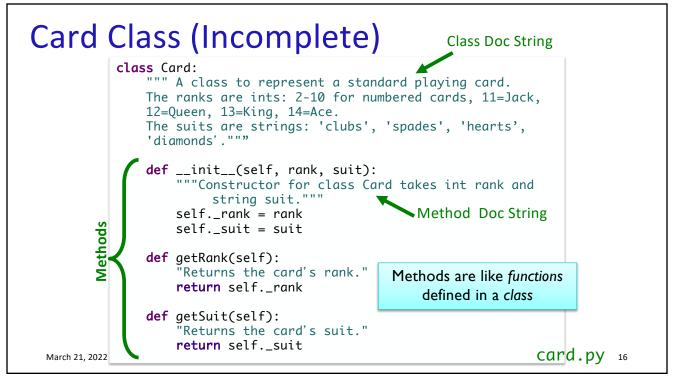


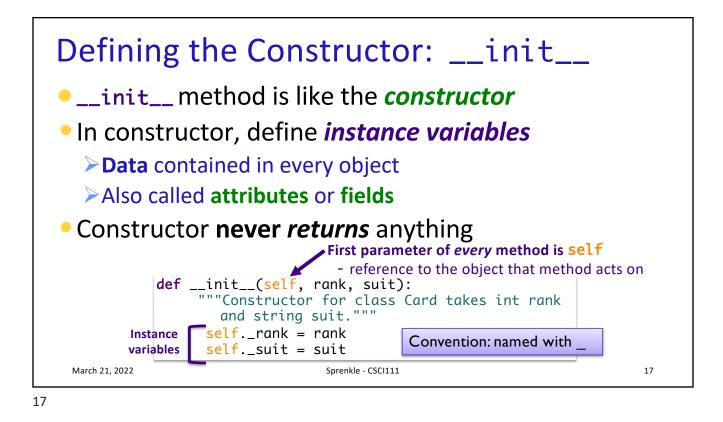


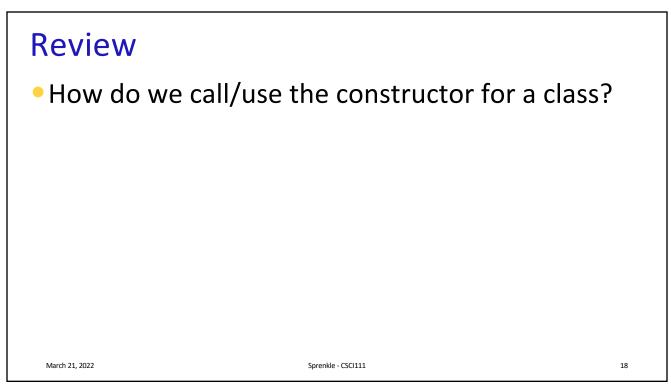


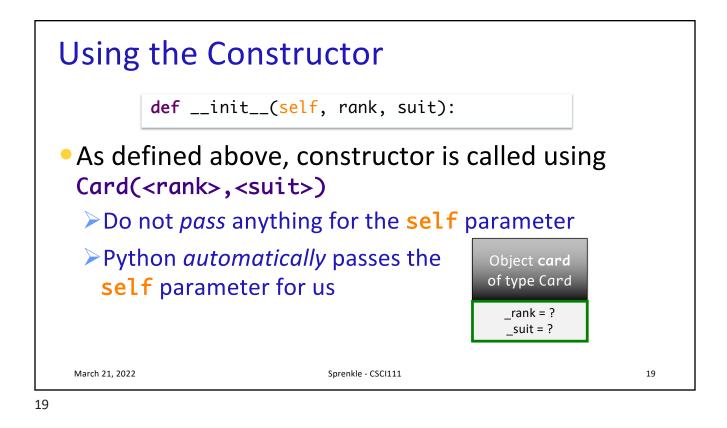


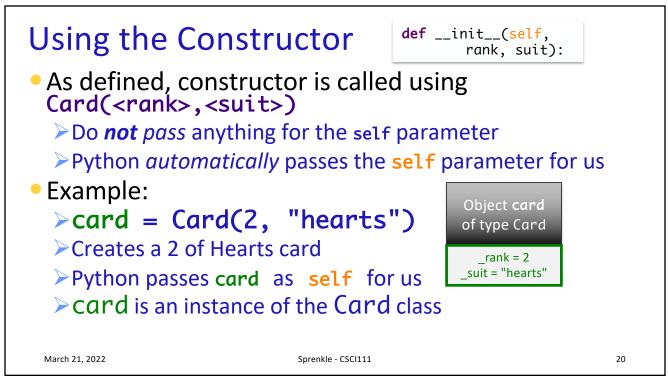


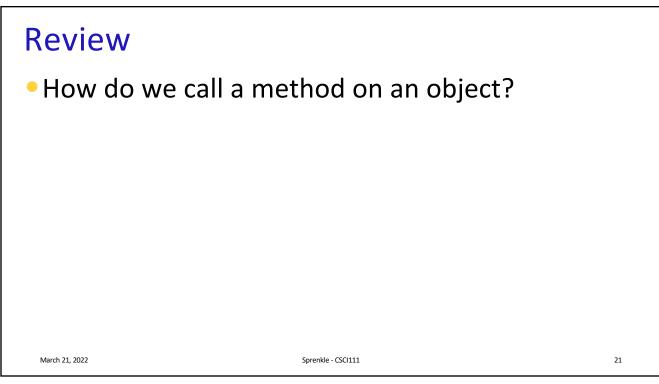




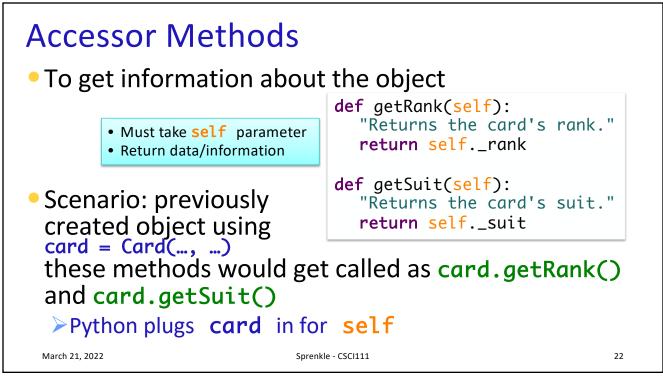


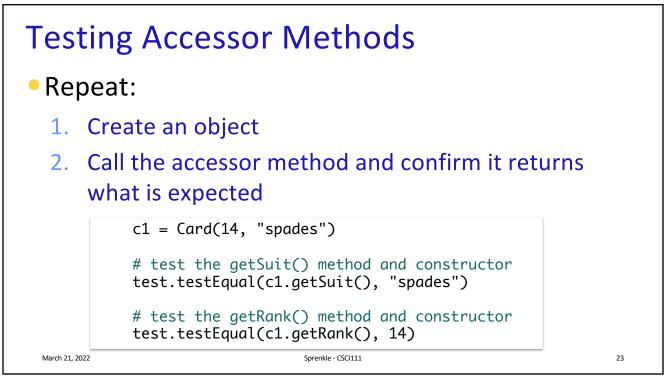


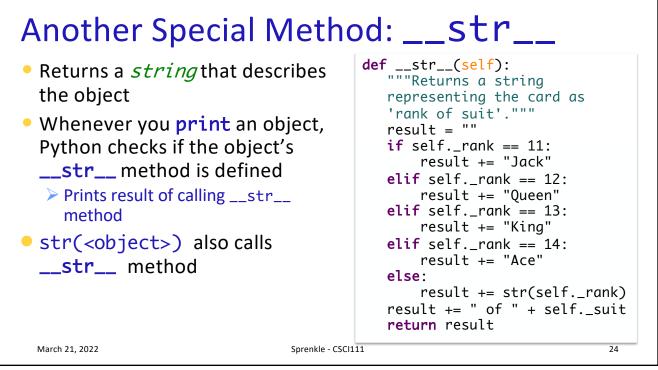


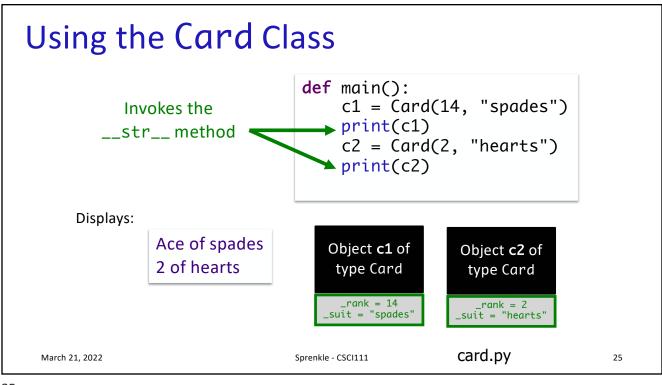


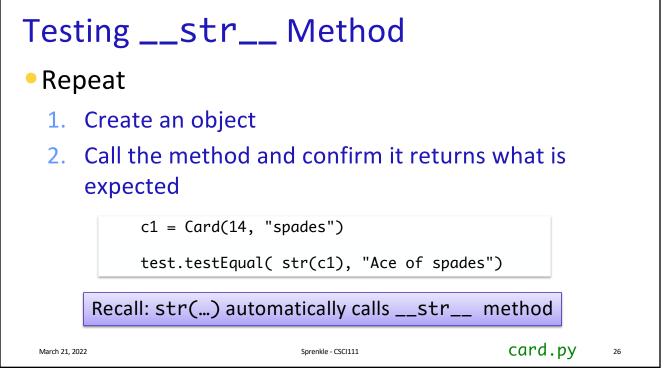












Example: Card C	olor					
 Problem: Add a method to the Card class called getCardColor that returns the card's suit's color ("red" or "black") 						
 (Partial) procedure for de What is the input to the me What is the output from the (Wait on defining the body How do we call the method 	ethod? e method? of the method)	od (similar to fur	ictions)			
 How can we test the method we can we test the method we can we test cases Provide some test cases 		st.testEqual fu	inction?			
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