Chapter 5: Array Based Sequences

こうしょうとうしゅうしゅうしゅうしゅうしゅうしゅうしゅう

	1	13
-	low-level Arrays.	
	typical unit: byte, which is 8 bits	
	to keep track of information and its storage location, computer uses an abstract	
	called a memory address	
	- each hyte associated w/ a rundom # (unique) that serves as	
	the address	
	- a group of related variables can be stored in a contiguous portion of the composite	
	memory; this is what we consider an array	
	- example: text string stored as individual characters	
	214 215 214 201 214 216 220 121 122)	
	ISIAMIPILIED array of 6 characters even though it regs.	
	012345) 12 bytes of memory	
	Referential Analysis	
A	to represent a list w/ an array, Python adheres to the requirement that each cell	
0	of the array must use the same # of hytes	
	-> Python uses an internal storage mechanism of an array of object references	
	- at lowest level, a consecutive sequence of memory addresses at which the	
	elements reside on stored	
	- some semantics are demenstrated when making a new list as a copy of an existing	
	ore, with a syntax such as backup = list(primes).	
	- produces a new list that is a shallow very, in that it references the same	
	chements as the original list	
	- if the contents of a list are mutable, a deep copy, meaning a list of new elements	
-		