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Summer Term, CS114

Logical Thought & Programming

Chapter Four Problem Set 1-11

**Chapter Four Problem Set**

**1. What is []?:** This is an empty list that contains no value

**2. How would you assign the value 'hello' as the third value in a list stored in a variable named spam? (Assume spam contains [2, 4, 6, 8, 10].) :>>>** hello=spam[8]

**For the following three questions, let’s say spam contains the list ['a', 'b', 'c', 'd'].**

**3. What does spam[int(int('3' \* 2) // 11)] evaluate to?:** this would be = a

**4. What does spam[-1] evaluate to?:** d

**5. What does spam[:2] evaluate to?:** c

**For the following three questions, let’s say bacon contains the list [3.14, 'cat', 11, 'cat', True]:**

**6. What does bacon.index('cat') evaluate to?: 1**

**7. What does bacon.append(99) make the list value in bacon look like?:** [3.14, 'cat', 11, 'cat', True, 99]

**8. What does bacon.remove('cat') make the list value in bacon look like?:** [3.14, 11, 'cat', True]

**9. What are the operators for list concatenation and list replication?:** the concatenation is addition of a list and replication is the multiplication of a list.

**10. What is the difference between the append() and insert() list methods?:** So append adds to the end of a list and insert allows you to choose the place you want to put a value in a list

**11. What are two ways to remove values from a list?:** You would use the .remove() methodor manually remove by deleting it.