In [ ]: #1. What exactly is []?
ANS:The empty list value, which is a list value that contains no items. This is s

In [ ]: #2. In a list of values stored in a variable called spam, how would you assign th
        third value? (Assume [2, 4, 6, 8, 10] are in spam.)
ANS:spam[2] = 'hello' (Notice that the third value in a list is at index 2 becaus

In [ ]: Lets pretend the spam includes the list [a, b,c,d] for the next three queries.

In [ ]: #3. What is the value of spam[int(int('3'* 2) / 11)]?
ANS:'d'

In [17]: #4. What is the value of spam[-1]?
ANS:'d'

In [ ]: #5. What is the value of spam[:2]?
ANS:['a', 'b']

In [ ]: #Lets pretend bacon has the list [3.14, cat, 11, cat, True] for the next three qu

In [34]: #6. What is the value of bacon.index('cat')?
#ANS: 1

In [ ]: #7. How does bacon.append(99) change the look of the list value in bacon?
ANS:[3.14, 'cat', 11, 'cat', True, 99]

In [ ]: #8. How does bacon.remove('cat') change the look of the list in bacon?
ANS:[3.14, 11, 'cat', True]

In [ ]: #9. What are the list concatenation and list replication operators?
ANS:The operator for list concatenation is +, while the operator for replication

In [ ]: #10. What is difference between the list methods append() and insert()?
ANS:While append() will add values only to the end of a list, insert() can add th

In [ ]: #11. What are the two methods for removing items from a list?
ANS:The del statement and the remove() list method are two ways to remove values

In [ ]: #12. Describe how list values and string values are identical.
ANS:Both lists and strings can be passed to len(), have indexes and slices, be us
        replicated, and be used with the in and not in operators.

In [ ]: #13. What is the difference between tuples and lists?
ANS:Lists are mutable; they can have values added, removed, or changed. Tuples ar
        Also, tuples are written using parentheses, (and), while lists use the squa

In [ ]: #14. How do you type a tuple value that only contains the integer 42?
         ANS:(42,)

In [ ]: #15. How do you get a list values tuple form? How do you get a tuple values list
         ANS:The tuple() and list() functions, respectively

In [ ]: #16. Variables that "contain" list values are not necessarily lists themselves. I
         ANS:They contain references to list values.

In [ ]: #17. How do you distinguish between copy.copy() and copy.deepcopy()?
         ANS:The copy.copy() function will do a shallow copy of a list, while the copy.dee
             That is, only copy.deepcopy() will duplicate any lists inside the list.