1. What exactly is []?

**Used to define list**

2. In a list of values stored in a variable called spam, how would you assign the value 'hello' as the third value? (Assume [2, 4, 6, 8, 10] are in spam.)

**spam=[2, 4, 6, 8, 10]**

**spam.insert(2,'hello')**

Let's pretend the spam includes the list ['a', 'b', 'c', 'd'] for the next three queries.

3. What is the value of spam[int(int('3' \* 2) / 11)]?

**d**

4. What is the value of spam[-1]?

**d**

5. What is the value of spam[:2]?

**A,b**

Let's pretend bacon has the list [3.14, 'cat,' 11, 'cat,' True] for the next three questions.

6. What is the value of bacon.index('cat')?

**1**

7. How does bacon.append(99) change the look of the list value in bacon?

**[3.14, 'cat', 11, 'cat', 'True', 99]**

8. How does bacon.remove('cat') change the look of the list in bacon?

**[3.14, 11, 'cat', 'True', 99]**

9. What are the list concatenation and list replication operators?

**The operator for list concatenation is +, while the operator for replication is \*.**

10. What is difference between the list methods append() and insert()?

**Append adds item at end while insert at specific index**

11. What are the two methods for removing items from a list?

**.remove() and .pop()**

12. Describe how list values and string values are identical.

**both are sequences**

13. What's the difference between tuples and lists?

**Tuples are immutable and lists are multable**

14. How do you type a tuple value that only contains the integer 42?

**(42)**

15. How do you get a list value's tuple form? How do you get a tuple value's list form?

**[tuple[index] for tuple in list]**

16. Variables that "contain" list values are not necessarily lists themselves. Instead, what do they contain?

**String,int**

17. How do you distinguish between copy.copy() and copy.deepcopy()?

**Deep copy stores copies of the object's value. Shallow Copy reflects changes made to the new/copied object in the original object**