1. What exactly is []?

This is an empty list

1. 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]=”hello”

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

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

d

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

d

1. 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.

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

1(always the take the 1st index)

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

Bacon.append(99)

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

Bacon.remove(‘cat’)

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

Concatenation: +

Replication: \*

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

append(): this method will add the specified element at the last position in the list.

Ex: list **=** [1,2,3]

list**.**append(4)

output:list=[1,2,3,4]

Insert(): this method will add the specified item in the list at the given EX:index.list**.**insert(2,”musk”)

Output:list=[1,2,”musk”,3]

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

remove() & pop()

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

Both are ordered collection of characters, indexable & sslicable,have common function like len().

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

Tuples are immutable but indexable and slicable

Tuples are written like t=(2,35,65,9)

Lists are Mutable, Indexable and Slicable

List are wrriten like l=[7,98,45,”ans”]

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

T=(42) : integer class

T=(42): type class

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

T=(93,4,5,6,”ms”)

t=list(T)

l=[1,2,3,4,”ms”]

L=tuple(l)

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

Refrences of the list values

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

The Python copy() method creates a copy of an existing list that is shallow copy.

Copy.deepcopy() will copy will duplicate the list inside list.