1. What exactly is []?

Answer-[] is a list that is a square bracket. The alternative way of writing is 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.)

Answer-

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

spam.insert(3,'hello')

spam

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)]?

Answer-‘a’

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

Answer-‘d’

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

Answer-[‘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')?

Answer-1

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

Answer=[3.14, 'cat', 11, 'cat', True, 99]

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

Answer- [3.14, 11, True, 99]

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

Answer- The list concatenation is + and the list replication operators is\*.

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

Answer- The list methods append() adds a new element to the end of a list and

insert() allows you to add an element anywhere in the list using index.

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

Answer- remove() and pop()

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

Answer=List are used to store many datatypes. String is to store character in single or double-quotes.

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

Answer=lists is [] .tuples is ().

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

(42)

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

Answer=

l1=[10,20,30]

l2=[40,50,32]

lo=list(zip(l1,l2))

print(lo)

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

Answer=But for str and int values, variables simply contain the string

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

Answer= copy.copy() inserts references into it to the object found in integral.

copy.deepcopy() inserts copies into it of the objects found in orginal.