1. What exactly is []?

ANSWER1

Empty list value

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.)

ANSWER 2

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

spam[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)]?

ANSWER3

3

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

ANSWER 4

spam[-1]

‘d’

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

ANSWER5

[‘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')?

Answer6

1

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

ANSWER7

Bacon.append(99) will add 99 at the end of the list

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

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

Answer8

[3.14, 11, ‘cat’, True, 99]

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

ANSWER9

Concatenation +

Replication \*

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

ANSWER10

Append ( ) add a new element at the end of a list

Insert( ) add new element at any position in a list

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

ANSWER11

Remove

Del/delete

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

ANSWER12

Passed len()

Used in loops

concatenated or replicated

indexes

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

Answer13

a)List

mutable

iteration is time consuming

build-in methods

list[ ]

can use function like delete,add,

b)Tuples

immutable

iteration is time faster

some build-in methods do not work for tuple

tuple()

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

Answer14

Coordinate = (42)

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

Answer15

a)List values from tuple

list = [ (2,4), (8,10,12), (20,30,40),'dog', 'microwave']

b) Tuples in list form

tuple =([3,6,6],’friends’, ‘boy’, [5,10,15])

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

Answer16

Variables used as storage for list

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

ANSWER17

copy.copy() do shallow copy

copy.deepcopy() duplicate any lists inside a list