

1. These represent the same list:

a = ['a','b','c']

b = ['c','a','b']

True / False _____

2. There is no conceptual Limit to the size of a list

a) True

b) False

3. All elements of the list must be of the same type

a) True

b) False

4. Given the following list:

a = ['foo', 'bar', 'baz', 'qux', 'quux', 'corge']

Which of the following output are correct from their commands

a) print(a[-6])

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

IndexError: list index out of range

b) a[:] is a

True

c) print(a[4::-2])

['quux', 'baz', 'foo']

d) max(a[2:4] + ['grault'])

'qux'

e) print(a[-5:-3])

['bar', 'baz']

5. Given the list

x = [10, [3.141, 20, [30, 'baz', 2.718]], 'foo']

What expression returns the list ['baz', 2.718]?

a) x[1]

b) x[1][2]

c) `x[1][2][1:3]`

Strucutured Questions

1. Create a list of 20 random integers and find the square of each number in the list
2. Create a list that contains all of your favourite fruits. Using a method, find the index of the first occurrence of a given fruit in the list