Computer Science Quiz:

Lists: Part 4.

1) What happens when I run the following program?

numbers = [7, 4, 2]

more\_numbers = [3, 8, 0]

xs = numbers + more\_numbers

print(xs)

A) Index out of range error

B) Operator error: cannot add lists

C) prints out [7, 4, 2, 3, 8, 0]

D) prints out [7, 4, 2], [3, 8, 0]

2) What does this code print?

numbers = [7, 1, 4, 2]

numbers.pop(2)

print(numbers)

A) [7, 1, 4, 2]

B) [7, 1, 4]

C) [7, 1, 2]

D) Index out of range error

3) What does this code print?

numbers = [7, 1, 4, 2]

numbers.remove(2)

print(numbers)

A) [7, 1, 4, 2]

B) [7, 1, 4]

C) [7, 1, 2]

D) Index out of range error

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4) What does this code print?

numbers = [0, 9]

x = numbers[0]

numbers[0] = numbers[1]

numbers[1] = x

print( numbers[1] )

5) What does this code print?

numbers = [0, 9]

numbers[0] = numbers[1]

numbers[1] = numbers[0]

print( numbers[1] )

6) What does this code print?

values = [2, 5, 7, 9, 11]

values[1] = 4

values[4] = 1

if values[3] > values[4]:

print(“mania”)

else:

print(“stupor”)

7) What does this code print?

foods = [“carb”, “veg”, “meat”]

foods.insert(1, “dairy”)

print( foods[2] )

8) What does this code print?

foods = [“carb”, “veg”, “meat”]

foods.insert(1, “dairy”)

print( foods[1] )

9) What does this code print?

foods = [“carb”, “veg”, “meat”]

foods.insert(1, “dairy”)

print( len( foods ) )

10) Fill in the blanks to change the values stored in numbers from this:

[3, 1, 4] to this [2, 7, 1]

numbers = [3, 1, 4]

numbers.pop(\_\_\_\_\_\_\_\_)

numbers.remove(\_\_\_\_\_\_\_\_)

numbers.insert( 0, \_\_\_\_\_\_\_)

numbers.insert( 1, \_\_\_\_\_\_\_)

11) Which of the following programs prints out

1 red

2 green

3 blue

A)

colors = ["red", "green", "blue"]

for i in range( len( colors ) ):

print( str(i) +" "+colors[i] )

B)

colors = ["red", "green", "blue"]

for i in range( len( colors ) ):

print( str(i+1) +" "+colors[i] )

C)

colors = ["red", "green", "blue"]

for i in range( len( colors ) ):

print( str(i+2) +" "+colors[i] )

D)

colors = ["red", "green", "blue"]

for i in range( len( colors ) ):

print( str(i+3) +" "+colors[i] )

Answer key (some answers may differ and still be correct):

1. C.

2. C.

3. B.

4. 0

5. 9

6. mania

7. veg

8. dairy

9. 4

10.

3, 4, 2, 7

or

0, 4, 2, 7

11. B