Computer Science Quiz:

Lists: Part 2.

1) Lists are useful for all of the following except what?

A) Keeping a set of sentences to use when responding to user input

B) Remembering dollar values for a budget

C) Storing a large number of strings in memory

D) Determining if two variables are equal or not

2) Which variable is the index in the following program?

presidents = ["Washington", "Adams", "Jefferson", "Madison", "Monroe"]

sequence = 0

first = presidents[sequence]

print(first)

3) The following code does what?

numbers = [6, 3, 1]

for i in range(len(numbers)):

print(numbers[i])

A) Puts 6, 3, 1 in a list

B) Puts 1, 3, 6 in a list

C) Prints 1 3 6

D) Prints 6 3 1

E) Prints 0 1 2

F) Prints 1 2 3

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) What does this code print?

prices = [1.75, 6.5, 3]

x = prices[1]

print(x)

5) What does this code print?

prices = [1.75, 6.5, 3]

del prices[0]

x = prices[1]

print(x)

6) What does this code print?

prices = [1.75, 6.5, 3]

x = len( prices )

print(x)

7) What does this code print?

prices = [1.75, 6.5, 3]

prices.append(4)

x = len( prices )

print(x)

8) What does this code print?

prices = [1.75, 6.5, 3]

prices.append(4)

x = prices[3]

print(x)

9) Fill in the blanks to write a program that prints the sum of the 2nd and 4th values in the numbers list. (In other words, this program should print the sum of 1 and 6, which is 7.)

numbers = [7, 1, 4, 6]

x=numbers[\_\_\_\_\_\_]+numbers[\_\_\_\_\_\_]

print(x)

10) Match up the statements below with code on the right by writing the letter of the code matching each description. Some of the code will not be used.

I. Increases the value in the list at index i

II. Creates a list with initial values in it

III. Adds a value to the end of the list

IV. Sets the value in the list at index i

V. Creates an empty list

VI. Delete the value in the list at index i

VII. Print the length of the list

VIII. Print the last value in the list

IX. Print the first value in the list

X. Cause an index out of range error

A my\_list = [ ]

B values.append(x)

C print( len( my\_list ) )

D print( my\_list[ len( my\_list ) ] )

E del colors[i]

F print( my\_list[ len( my\_list ) - 1 ] )

G print( my\_list[ len ] )

H colors = [“red”, “green”, “blue”]

I values[i] = values[i] + 1

J print( my\_list[0] )

K print( my\_list[1] )

L numbers[i] = 8