Computer Science Quiz:

Lists: Part 1.

1) A list is a ...

A) closed hand usually used to hit or to hold things.

B) secret meeting, usually of a romantic nature.

C) type of variable that can hold many values.

D) speech impediment that makes “s” sound like “th”.

2) An index is a number that ...

A) it’s not a number, it’s a finger

B) contains contact information

C) librarians worry about

D) refers to a particular value in a list

3) The following code does what?

numbers = [ ]

for i in range(10):

numbers.append(i)

A) Puts the numbers 0 – 9 in a list

B) Puts the numbers 0 – 10 in a list

C) Puts the numbers 1 – 10 in a list

D) Appends the letter i to numbers

4) What does this code print?

names = ["Al", "Sue", "Tiff"]

print(names[0])

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

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

period = 2

classes = ["Math", "Art", "Sci", "Hist"]

class = classes[period]

print(class)

6) What does the program in the previous question print?

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

A) Remembering a set of numbers

B) Tracking all the images on the screen

C) Running a piece of code repeatedly

D) Controlling a variable number of turtles

8) All of the following are true of lists except what?

A) Lists are containers

B) The second value in a list is accessed with two

C) Lists use square brackets [ ]

D) The first value in a list is accessed with zero

9) Match up the statements below with the code on the right by writing the letter of the code that goes with each description.

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

A values[i] = values[i] + 1

B del colors[i]

C values.append(x)

D my\_list = [ ]

E numbers[i] = 8

F colors = [“red”, “green”, “blue”]