Computer Science Quiz:

Lists: Part 3.

1) Which of the following lines of code gives an “index out of range” error assuming the list below has already been created?

numbers = [7, 14, 21]

A) print( numbers[0] )

B) print( numbers[1] )

C) print( numbers[2] )

D) print( numbers[3] )

2) Write a single line of code that creates a list that stores all the same values as the three variables given below.

color0 = “red”

color1 = “green”

color2 = “blue”

3) What does this code print?

values = [72, 12, 81]

i = 1

if values[i] > 50:

print(“boomerang”)

else:

print(“azalea”)

4) True or False: This program will throw an “index out of range” error

numbers = [7, 14, 21]

del numbers[1]

print( numbers[2] )

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

5) Which of the following programs prints out

4 Hope

5 Empire

6 Jedi

A)

trilogy = ["Hope", "Empire", "Jedi"]

for i in range( len( trilogy ) ):

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

B)

trilogy = ["Hope", "Empire", "Jedi"]

for i in range( len( trilogy ) ):

print( str(i+4) +" "+trilogy[i] )

C)

trilogy = ["Hope", "Empire", "Jedi"]

for i in range( len( trilogy ) ):

print( str(i+5) +" "+trilogy[i] )

D)

trilogy = ["Hope", "Empire", "Jedi"]

for i in range( len( trilogy ) ):

print( str(i+6) +" "+trilogy[i] )

6) Fill in the blanks to write a program that prints out “2020 vision”.

text = [“2020”, “1999”, “2019”, “vision”]

x = text[\_\_\_\_\_\_\_] + text[\_\_\_\_\_\_\_]

print(x)

7) What does this code print?

animals = [“frog”, “cat”, “fish, “snail”]

x = len( animals )

print(x)

8) What does this code print?

animals = [“frog”, “cat”, “fish, “snail”]

del animals[2]

x = len( animals )

print(x)

9) What does this code print?

animals = [“frog”, “cat”, “fish”, “snail”]

del animals[2]

x = animals[ len(animals) - 1]

print(x)

10) What does this code print?

animals = [“frog”, “cat”, “fish, “snail”]

del animals[1]

if animals[1] == “cat”:

print(“meow”)

else:

print(“noise”)

11) What does this code print?

animals = [“frog”, “cat”, “fish, “snail”]

x = 0

print( animals[x] )

12) What does this code print?

numbers = [2, 0, 1, 3]

animals = [“frog”, “cat”, “fish, “snail”]

x = 1

z = animals[ numbers[x] ]

print(z)