Computer Science Quiz:

For Loops: Part 2.

1) What does this code print if the user types in Christmas?

response = input(“Winter Break”)

if response == “New Year”:

for i in range(10, 0, -1):

print(i)

print(“Happy New Year”)

else:

print(“25th of December")

2) What does the code from the previous question print if the user types in “New Year”?

3) What does this code print?

for i in range(1, 15, 2):

print(i)

A) it prints 2 fifteen times

B) 1 15 2

C) 1 3 5 7 9 11 13

D) 1 3 5 7 9 11 13 15

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

4) What does this code print?

for x in range(3):

for z in range(5,8):

print(z)

A) 5 6 7 5 6 7 5 6 7

B) 5 6 7 8 5 6 7 8 5 6 7 8

C) 0 1 2 0 1 2 0 1 2

D) 0 0 0 1 1 1 2 2 2

5) What does this code print?

for x in range(3):

for z in range(5,8):

print(x)

A) 5 6 7 5 6 7 5 6 7

B) 5 6 7 8 5 6 7 8 5 6 7 8

C) 0 1 2 0 1 2 0 1 2

D) 0 0 0 1 1 1 2 2 2

6) Define a function named negater that takes one argument and returns the negation of the argument. (In other words, multiply the argument by negative one then return it.)

7) What does this code print?

def sesameStreetCount(x):

for i in range(1, x+1):

print(i)

print(“Ah! Ah! Ah”)

sesameStreetCount(4)

8) Write a line of code that calls the function from the previous question.

9) I need to repeatedly do something. I’m not sure how many times I will need to repeat. I need a…

A) For loop

B) While loop

C) If statement

D) Variable

10) I need to count from 2 to 400, even numbers only. I need a…

A) For loop

B) While loop

C) If statement

D) Variable

11) I need to remember a calculated value for later. I need a…

A) For loop

B) While loop

C) If statement

D) Variable

12) I need to choose between two different options. I need a…

A) For loop

B) While loop

C) If statement

D) Variable

13) I need to end a function and give back a value. I need a…

A) Return

B) Variable

C) If statement

D) Function definition

14) In order to add up all the numbers from one to one million I will need which of the following? Circle **all** correct answers. There will be more than one!

A) For loop

B) While loop

C) If statement

D) Variable

E) Addition +

F) Return

15) I want to make one turtle gradually move toward another turtle. I will need which of the following? Circle **all** correct answers. There will be more than one!

A) For loop

B) While loop

C) If statement

D) One variable to refer to a turtle

E) Addition +

F) Return

G) Two variables to refer to the two different turtles