**Chapter 5**

**TOTAL POINTS 10**

1.Question 1

What is wrong with this Python loop:

n = 5

while n > 0 :

print(n)

print('All done')

1 point



This loop will run forever



The **print('All done')** statement should be indented four spaces



There should be no colon on the **while** statement



**while** is not a Python reserved word

2.Question 2

What does the **break** statement do?

1 point



Jumps to the "top" of the loop and starts the next iteration



Resets the iteration variable to its initial value



Exits the program



Exits the currently executing loop

3.Question 3

What does the **continue** statement do?

1 point



Exits the currently executing loop



Jumps to the "top" of the loop and starts the next iteration



Resets the iteration variable to its initial value



Exits the program

4.Question 4

What does the following Python program print out?

tot = 0

for i in [5, 4, 3, 2, 1] :

tot = tot + 1

print(tot)



0



5



10



15

5.Question 5

What is the *iteration* variable in the following Python code:

friends = ['Joseph', 'Glenn', 'Sally']

for friend in friends :

print('Happy New Year:', friend)

print('Done!')



friend



Sally



Glenn



Joseph

6.Question 6

What is a good description of the following bit of Python code?

zork = 0

for thing in [9, 41, 12, 3, 74, 15] :

zork = zork + thing

print('After', zork)



Compute the average of the elements in a list



Find the smallest item in a list



Sum all the elements of a list



Count all of the elements in a list

7.Question 7

What will the following code print out?

smallest\_so\_far = -1

for the\_num in [9, 41, 12, 3, 74, 15] :

if the\_num < smallest\_so\_far :

smallest\_so\_far = the\_num

print(smallest\_so\_far)



-1



74



42



3

8.Question 8

What is a good statement to describe the **is** operator as used in the following if statement:

if smallest is None :

smallest = value



Is true if the **smallest** variable has a value of -1



Looks up 'None' in the **smallest** variable if it is a string



The if statement is a syntax error



matches both type and value

9.Question 9

Which reserved word indicates the start of an "indefinite" loop in Python?

1 point



while



for



def



indef



break

10.Question 10

How many times will the body of the following loop be executed?

n = 0

while n > 0 :

print('Lather')

print('Rinse')

print('Dry off!')

1 point



0



1



This is an infinite loop



5