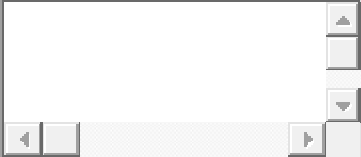


Chapter 5

TOTAL POINTS 10

1.Question 1

What is wrong with this Python loop:



```
n = 5

while n > 0 :
    print(n)
print('All done')
```

- ☒ 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

1 point

2.Question 2

What does the break statement do?

- ☐ Jumps to the "top" of the loop and starts the next iteration
- ☐ Exits the program
- ☒ Exits the currently executing loop
- ☐ Resets the iteration variable to its initial value

1 point

3.Question 3

What does the continue statement do?

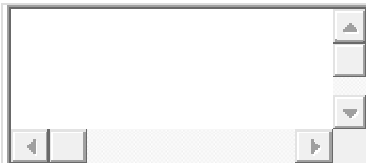
- ☐ Exits the currently executing loop
- ☒ Jumps to the "top" of the loop and starts the next iteration

- ☐ Exits the program
- ☐ Resets the iteration variable to its initial value

1 point

4.Question 4

What does the following Python program print out?



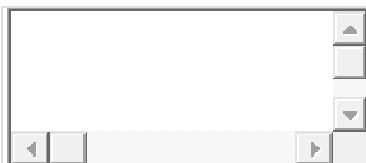
```
tot = 0
for i in [5, 4, 3, 2, 1]:
    tot = tot + 1
print(tot)
```

- ☐ 10
- ☐ 15
- ☐ 0
- ☒ 5

1 point

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

1 point

6.Question 6

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



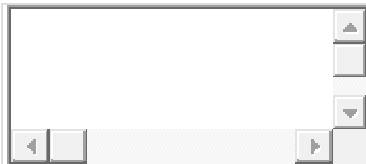
```
zork = 0
for thing in [9, 41, 12, 3, 74, 15]:
    zork = zork + thing
print('After', zork)
```

- ☒ Sum all the elements of a list
- ☐ Find the smallest item in a list
- ☐ Count all of the elements in a list
- ☐ Find the largest item in a list

1 point

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)
```

Hint: This is a trick question and most would say this code has a bug - so read carefully

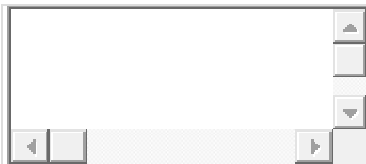
- ☒ -1
- ☐ 74
- ☐ 42

☐ 3

1 point

8.Question 8

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



- ☒ matches both type and 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

1 point

9.Question 9

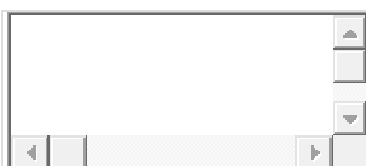
Which reserved word indicates the start of an "indefinite" loop in Python?

- ☐ for
- ☐ indef
- ☒ while
- ☐ break
- ☐ def

1 point

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!')
```

- ☒ 0
- ☐ 5
- ☐ 1
- ☐ This is an infinite loop

1 point