

Chapter 5

Quiz, 10 questions

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1.

What is wrong with this Python loop:

```
1 n = 5
2 while n > 0 :
3     print(n)
4 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
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2.

What does the **break** 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
-

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3.

What does the **continue** statement do?

- ☐ Exits the program
- ☐ Exits the currently executing loop

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- ☐ Jumps to the "top" of the loop and starts the next iteration
 - ☐ Resets the iteration variable to its initial value
-

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4.
What does the following Python program print out?

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

- ☐ 15
 - ☐ 0
 - ☐ 10
 - ☐ 5
-

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5.
What is the *iteration* variable in the following Python code:

```
1 friends = ['Joseph', 'Glenn', 'Sally']
2 for friend in friends :
3     print('Happy New Year:', friend)
4 print('Done!')
```

- ☐ friend
 - ☐ Sally
 - ☐ Glenn
 - ☐ Joseph
-

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6.
What is a good description of the following bit of Python code?

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

- ☐ Sum all the elements of a list
- ☐ Count all of the elements in a list

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- ☐ Find the smallest item in a list
 - ☐ Compute the average of the elements in a list
-

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7.
What will the following code print out?

```
1 smallest_so_far = -1
2 for the_num in [9, 41, 12, 3, 74, 15] :
3     if the_num < smallest_so_far :
4         smallest_so_far = the_num
5 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
-

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8.
What is a good statement to describe the **is** operator as used in the following if statement:

```
1 if smallest is None :
2     smallest = value
```

- ☐ Looks up 'None' in the **smallest** variable if it is a string
 - ☐ Is true if the **smallest** variable has a value of -1
 - ☐ The if statement is a syntax error
 - ☐ matches both type and value
-

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9.
Which reserved word indicates the start of an "indefinite" loop in Python?

- ☐ for
- ☐ while

☐ indef

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☐ def☐ break

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10.

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

```
1 n = 0
2 while n > 0 :
3     print('Lather')
4     print('Rinse')
5 print('Dry off!')
```

☐ 1☐ 5☐ This is an infinite loop☐ 0

☐

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