Chapter 3

Quiz, 10 questions

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1
point
</div>

1.

What do we do to a Python statement that is immediately after an **if** statement to indicate that the statement is to be executed only when the **if** statement is **true**?

○ Start the statement with a "#" character

○ Underline all of the conditional code

○ Begin the statement with a curly brace {

○ Indent the line below the if statement

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2.

Which of these operators is **not** a comparison / logical operator?

○ !=

○ >=

○ =

○ ==

○ <

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3.

What is true about the following code segment:

```
1    if  x == 5 :
2        print('Is 5')
3        print('Is Still 5')
4        print('Third 5')
```

○ Depending on the value of **x**, either all three of the print statements will execute or none of the statements will execute

○ The string 'Is 5' will always print out regardless of the value for **x**.

○ The string 'Is 5' will never print out regardless of the value for **x**.

○   Only two of the three print statements will print out if the value of **x** is less than zero.

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1 point

4.

When you have multiple lines in an **if** block, how do you indicate the end of the **if** block?

○   You use a curly brace { after the last line of the if block

○   You omit the semicolon ; on the last line of the if block

○   You capitalize the first letter of the line following the end of the if block

○   You de-indent the next line past the if block to the same level of indent as the original **if** statement

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1 point

5.

You look at the following text:

```
1   if x == 6 :
2       print('Is 6')
3       print('Is Still 6')
4       print('Third 6')
```

It looks perfect but Python is giving you an 'Indentation Error' on the second print statement. What is the most likely reason?

○   Python thinks 'Still' is a mis-spelled word in the string

○   You have mixed tabs and spaces in the file

○   Python has reached its limit on the largest Python program that can be run

○   In order to make humans feel inadequate, Python randomly emits 'Indentation Errors' on perfectly good code - after about an hour the error will just go away without any changes to your program

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1 point

6.

What is the Python reserved word that we use in two-way if tests to indicate the block of code that is to be executed if the logical test is false?

○   break

○   else

○   toggle

Chapter 3   ○   switch

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1 point

7.

What will the following code print out?

```
1   x = 0
2   if x < 2 :
3       print('Small')
4   elif x < 10 :
5       print('Medium')
6   else :
7       print('LARGE')
8   print('All done')
```

○   LARGE

     All done

○   Small

     Medium

     LARGE

     All done

○   Small

○   Small

     All done

---

1 point

8.

For the following code,

```
1   if x < 2 :
2       print('Below 2')
3   elif x >= 2 :
4        print('Two or more')
5   else :
6       print('Something else')
```

What value of 'x' will cause 'Something else' to print out?

○   x = 2

○   This code will never print 'Something else' regardless of the value for 'x'

○   x = -2

○   x = 2.0

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9.

In the following code (numbers added) - which will be the last line to execute successfully?

```
1   (1)   astr = 'Hello Bob'
2   (2)   istr = int(astr)
3   (3)   print('First', istr)
4   (4)   astr = '123'
5   (5)   istr = int(astr)
6   (6)   print('Second', istr)
```

○ 1

○ 5

○ 6

○ 2

10.

For the following code:

```
1   astr = 'Hello Bob'
2   istr = 0
3   try:
4       istr = int(astr)
5   except:
6       istr = -1
```

What will the value be for **istr after this code executes**?

○ 9 (the number of characters in 'Hello Bob')

○ -1

○ false

○ It depends on the position in the collating sequence for the letter 'H'

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