Quiz: Chapter 3

Question 1

1/1 point (graded)

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**?

- ○ Underline all of the conditional code
- ○ Begin the statement with a curly brace {
- ○ Start the statement with a "#" character
- ◉ Indent the line below the if statement ✔

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Question 2

1/1 point (graded)

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

- ○ ==
- ○ !=
- ○ >=
- ○ <=
- ◉ = ✔

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Question 3

1/1 point (graded)

What is true about the following code segment:

```
if  x == 5 :
    print('Is 5')
    print('Is Still 5')
    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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Question 4

1/1 point (graded)

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

- ○ You omit the semicolon ; on the last line of the if block
- ○ You use a curly brace { after the last line of the if block
- ○ You put the colon : character on a line by itself to indicate we are done with 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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Question 5

1/1 point (graded)

You look at the following text:

```
if x == 6 :
    print('Is 6')
    print('Is Still 6')
    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?

- ○ 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
- ○ Python thinks 'Still' is a mis-spelled word in the string
- ○ Python has reached its limit on the largest Python program that can be run
- ◉ You have mixed tabs and spaces in the file ✔

Answer
Correct:
Please make sure to find the option to auto-expand tabs in your text editor. Or it will be very frustrating when these errors appear in code that *looks* perfect.

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Question 6

1/1 point (graded)

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?

- otherwise
- A closing curly brace followed by an open curly brace like this }{
- iterate
- else ✔

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Question 7

1/1 point (graded)

What will the following code print out?

```
x = 0
if x < 2 :
    print('Small')
elif x < 10 :
    print('Medium')
else :
    print('LARGE')
print('All done')
```

- ○ Small
  Medium
  LARGE
  All done
- ○ LARGE
  All done
- ○ All done
- ◉ Small
  All done ✔

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Question 8

1/1 point (graded)

For the following code,

```
if x < 2 :
    print('Below 2')
elif x >= 2 :
    print('Two or more')
else :
    print('Something else')
```

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

- ○ x = -22
- ○ x = 2.0
- ○ x = -2.0
- ◉ This code will never print 'Something else' regardless of the value for 'x' ✔

Answer
Correct:
It will never print out because all values for 'x' are either below 2 or greater-than or equal two. So either the **if** or **elif** will print but never the else clause.

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Question 9

1/1 point (graded)

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

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

- ○ 5
- ○ 4
- ○ 2
- ◉ 1 ✔

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Question 10

1/1 point (graded)

For the following code:

```
astr = 'Hello Bob'
istr = 0
try:
    istr = int(astr)
except:
    istr = -1
```

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

- ○ It will be a random number depending on the operating system the program runs on
- ○ It will be the 'Not a number' value (i.e. NaN)
- ○ false
- ◉ -1 ✔

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