

Welcome Othman Alomair from Python for Everybody

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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?
- ☒ Indent the line below the if statement
 - ☐ Start the statement with a "#" character
 - ☐ Begin the statement with a curly brace {
 - ☐ Underline all of the conditional code

2. ✓ Which of these operators is not a comparison / logical operator?
- ☐ >=
 - ☐ ==
 - ☒ =
 - ☐ >
 - ☐ !=

3. ✓ 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 never print out regardless of the value for x.
- ☐ The string 'Is 5' will always 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.

4. ✓ When you have multiple lines in an if block, how do you indicate 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
- ☐ You capitalize the first letter of the line following 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

5. ✓ 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?

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

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?

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

7. ✓ 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 All done
- ☐ Medium All done
- ☐ Small Medium LARGE All done
- ☐ Small

8. ✓ 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?

- ☒ This code will never print 'Something else' regardless of the value for 'x'
- ☐ x = 2.0
- ☐ x = 2
- ☐ x = -2

9. ✓ 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)
```

- ☒ 1
- ☐ 6
- ☐ 3
- ☐ 2

10. ✓ 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?

- ☒ -1
- ☐ 0
- ☐ The istr variable will not have a value
- ☐ It will be the 'Not a number' value (i.e. NaN)