

## Question 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**?

**Your Answer**

**Score**

☐ Underline all of the conditional code

☐ Start the statement with a "#" character

☒ Indent the line below the if statement

Correct

1.00

☐ Begin the statement with a curly brace {

Total

1.00

## Question 2

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

**Your Answer**

**Score**

☒ =

Correct

1.00

☐ >=

☐ !=

☐ <

---

☐ ==

---

Total

1.00 / 1.00

### Question 3

What is true about the following code segment:

```
if x == 5 :  
    print 'Is 5'  
    print 'Is Still 5'  
    print 'Third 5'
```

---

#### Your Answer

- 
- ☒ 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.
- 

Total

### Question 4

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

---

#### Your Answer

- 
- ☐ 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 de-indent the next line past the if block to the same level of indent as the original **if** statement
- 
- ☐ You put the colon : character on a line by itself to indicate we are done with the if block
- 

Total

## Question 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?

### Your Answer

- 
- ☒ 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 go

---

after about an hour the error will just go away without any changes to your program

---

Total

### Question Explanation

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.

## Question 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?

### Your Answer

☐ iterate

☐ switch

☒ else

Correct

☐ A closing curly brace followed by an open curly brace like this }{

---

Total

## Question 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'
```

---

**Your Answer****Score**

---

☒ Small  
All done

Correct

1.00

---

☐ Medium  
All done

---

☐ Small  
Medium  
LARGE  
All done

---

☐ All done

---

Total

1.00 / 1.00

## Question 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?

---

### Your Answer

- 
- ☐ `x = -2`
- 
- ☒ This code will never print 'Something else' regardless of the value for 'x' C
- 
- ☐ `x = -2.0`
- 
- ☐ `x = -22`
- 

Total

### Question Explanation

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.

## Question 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
```

---

### Your Answer

Score

- 
- ☐ 2
- 
- ☐ 4
-

---

☒ 1

Correct

1.00

---

☐ 5

---

Total

1.00 / 1.00

## Question 10

For the following code:

```
astr = 'Hello Bob'
```

```
istr = 0
```

```
try:
```

```
    istr = int(astr)
```

```
except:
```

```
    istr = -1
```

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

### Your Answer

---

☐ The **istr** variable will not have a value

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

☒ -1

☐ It will be a random number depending on the operating system the program runs on

---

Total