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You submitted this quiz on **Sat 25 Oct 2014 4:48 AM PDT**. You got a score of **10.00** out of **10.00**.

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**Question 1**

Which Python keyword indicates the start of a function definition?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| help |  |  |  |
| def | Correct | 1.00 |  |
| break |  |  |  |
| rad |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 2**

In Python, how do you indicate the end of the block of code that makes up the function?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| You add a line that has at least 10 dashes |  |  |  |
| You add the matching curly brace that was used to start the function } |  |  |  |
| You de-indent a line of code to the same indent level as the **def** keyword | Correct | 1.00 |  |
| You put the colon character (:) in the first column of a line |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 3**

In Python what is the **raw\_input()** feature best described as?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| A data structure that can hold multiple values using strings as keys |  |  |  |
| A reserved word |  |  |  |
| A conditional statement |  |  |  |
| A built-in function | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 4**

What does the following code print out?

def thing():

print 'Hello'

print 'There'

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| There | Correct | 1.00 |  |
| Hello |  |  |  |
| thing Hello There |  |  |  |
| thing |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question Explanation**Since the **thing()** function is not called - the **print 'Hello'** never runs.

**Question 5**

In the following Python code, which of the following is an "argument" to a function?

x = 'banana'

y = max(x)

print y

print x

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 'banana' |  |  |  |
| print |  |  |  |
| x | Correct | 1.00 |  |
| y |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 6**

What will the following Python code print out?

def func(x) :

print x

func(10)

func(20)

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| x 20 |  |  |  |
| 10 20 | Correct | 1.00 |  |
| x 10 x 20 |  |  |  |
| x x |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 7**

Which line of the following Python program is useless?

def stuff():

print 'Hello'

return

print 'World'

stuff()

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| return |  |  |  |
| print 'Hello' |  |  |  |
| def stuff(): |  |  |  |
| stuff() |  |  |  |
| print 'World' | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question Explanation**The **print 'World'** will never execute because it is after the **return** statement.

**Question 8**

What will the following Python program print out?

def greet(lang):

if lang == 'es':

return 'Hola'

elif lang == 'fr':

return 'Bonjour'

else:

return 'Hello'

print greet('fr'),'Michael'

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Bonjour Michael | Correct | 1.00 |  |
| Hello Michael |  |  |  |
| def Michael |  |  |  |
| Hola Bonjour Hello Michael |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 9**

What does the following Python code print out? (Note that this is a bit of a trick question and the code has what many would consider to be a flaw/bug - so read carefully).

def addtwo(a, b):

added = a + b

return a

x = addtwo(2, 7)

print x

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Traceback |  |  |  |
| 9 |  |  |  |
| 2 | Correct | 1.00 |  |
| 7 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 10**

What is the most important benefit of writing your own functions?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| To avoid having more than 10 lines of sequential code without an indent or de-indent |  |  |  |
| Avoiding writing the same non-trivial code more than once in your program | Correct | 1.00 |  |
| Following the rule that no function can have more than 10 statements in it |  |  |  |
| Following the rule that whenever a program is more than 10 lines you must use a function |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question Explanation**Deciding to write a function for your own use is something that you see when your programs reach a certain level of complexity. There are no rules.

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