**Feedback — Final Exam**[Help](https://class.coursera.org/pythonlearn-003/help/quizzes?url=https%3A%2F%2Fclass.coursera.org%2Fpythonlearn-003%2Fquiz%2Ffeedback%3Fsubmission_id%3D164008)

You submitted this exam on **Sun 7 Dec 2014 1:08 PM PST**. You got a score of **20.00** out of **20.00**.

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This is the final exam. It is not due until the end of the class. But you should understand all this material by the end of week 10. You can re-take this exam up to 100 times and your highest score will be retained. So you can take this exam to help guide your study and check your knowledge retention. It is OK to use Python in an another window to check your answers during this exam.

**Question 1**

Which of the following is a bad variable name for Python?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Four |  |  |  |
| for | Correct | 1.00 |  |
| four\_44 |  |  |  |
| four |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 2**

What is the order that arithmetic operations are performed in Python?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Exponent | Addition | Multiplication |  |  |  |
| Multiplication | Exponent | Addition |  |  |  |
| Exponent | Multiplication | Addition | Correct | 1.00 |  |
| Multiplication | Addition | Exponent |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 3**

What will the following Python code sequence produce?

a = "fred"

b = int(fred)

print b

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 4 |  |  |  |
| fred |  |  |  |
| A traceback | Correct | 1.00 |  |
| abfred |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 4**

Which of the following lines will never print out regardless of the value for x?

if x < 2 :

print "Below 2"

elif x < 0 :

print "Negative"

else :

print "Something else"

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Something else |  |  |  |
| Negative | Correct | 1.00 |  |
| All three lines will print all the time |  |  |  |
| Below 2 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 5**

What will the following Python program print out?

print "hello world"

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| hello world | Correct | 1.00 |  |
| hello |  |  |  |
| world |  |  |  |
| 42 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 6**

What would the following Python code sequence print out?

str = "hello there bob"

print str[4]

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| o | Correct | 1.00 |  |
| hello |  |  |  |
| You would get an out-of-range error and the program would fail |  |  |  |
| l |  |  |  |
| e |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 7**

What does the following Python print out?

stuff = ['joseph', 'sally', 'walter', 'tim']

print stuff[2]

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 4 |  |  |  |
| joseph |  |  |  |
| sally |  |  |  |
| walter | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 8**

What is the primary use of the Python dictionary?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| To make sure that the definitions of the Python reserved words are available in different languages (French, Spanish, etc) |  |  |  |
| To store items in order (like a can of Pringles potato chips) |  |  |  |
| To store key / value pairs | Correct | 1.00 |  |
| To look up all of the methods which are available on a Python object |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 9**

What will the following Python program print out:

def fred():

print "Zap"

def jane():

print "ABC"

jane()

fred()

jane()

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| ABC Zap ABC | Correct | 1.00 |  |
| ABC Zap jane |  |  |  |
| Zap Zap Zap |  |  |  |
| Zap ABC jane fred jane |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 10**

Where in the computer is a variable such as "x" stored?

x = 123

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Data Warehouse |  |  |  |
| Central Processing Unit |  |  |  |
| Main Memory | Correct | 1.00 |  |
| Secondary Memory such as Flash or Disk |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 11**

What would happen if the following Python code were executed?

st = "abc"

ix = int(st)

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| The program would show an error and a traceback on the first line |  |  |  |
| The program would show an error and a traceback on the second line | Correct | 1.00 |  |
| The variable ix would contain 0 |  |  |  |
| The variable ix would contain None |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 12**

What would this code print out?

lst = []

lst.append(4)

lst.append(10)

lst.append(21)

lst.append(6)

print lst[2]

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 6 |  |  |  |
| none of the above |  |  |  |
| 4 |  |  |  |
| 21 | Correct | 1.00 |  |
| Total |  | 1.00 / 1.00 |  |

**Question 13**

For this Python program snippet:

total = 0

count = 0

for abc in range(10):

total = total + abc

count = count + 1

ave = total / count

print ave

Which of the variables is the "iteration" variable?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| abc | Correct | 1.00 |  |
| count |  |  |  |
| total |  |  |  |
| ave |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 14**

If you want your program to recover from errors that would otherwise cause a trace back and your program to stop, what language element of Python would you use?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| repeat / on\_error |  |  |  |
| try / except | Correct | 1.00 |  |
| try / retry |  |  |  |
| when / error |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 15**

What would the following Python code print out?

sta = "abc"

stb = "123"

stc = sta + stb

print stc

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| abc123 | Correct | 1.00 |  |
| Error because of a variable name mismatch |  |  |  |
| abc+123 |  |  |  |
| ab3 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 16**

What is the purpose of the raw\_input() function in Python?

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| It pauses the program and reads a line of text from the user | Correct | 1.00 |  |
| It suppresses character set conversion when reading data from a socket |  |  |  |
| It allows Python to read non-text files such as JPEG images |  |  |  |
| It allows the contents of a file to be read in a single call instead of a loop |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 17**

What would the following Python code print out?

fline = "blah blah"

if len(fline) > 1 :

print "More than one"

if fline[0] == "h" :

print "Has an h"

print "All done"

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| Nothing will print |  |  |  |
| Has an h All done |  |  |  |
| More than one All done | Correct | 1.00 |  |
| More than one Has an h All done |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 18**

What is the value of the following expression:

abc = 1 - 2 + 3 \* 4 - 5 - 6 / 3

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 12 |  |  |  |
| 4 | Correct | 1.00 |  |
| 0.735 |  |  |  |
| 18 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 19**

This Python program is supposed to compute the average of a list of numbers but the output is always wrong. Which line is in error?

total = 0

count = 0

for abc in [3, 41, 12, 9, 74, 15] :

total = total + abc

count = 1

ave = total / count

print ave

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| count = 1 | Correct | 1.00 |  |
| print ave |  |  |  |
| total = total + abc |  |  |  |
| total = 0 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

**Question 20**

For the following Python program, what will it print out?

x = -1

for value in [3, 41, 12, 9, 74, 15] :

if value < x :

x = value

print x

|  |  |  |  |
| --- | --- | --- | --- |
| **Your Answer** |  | **Score** | **Explanation** |
| 41 |  |  |  |
| -1 | Correct | 1.00 |  |
| 3 |  |  |  |
| 15 |  |  |  |
| Total |  | 1.00 / 1.00 |  |

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