Feedback — Final Exam

Help

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You submitted this exam on **Fri 7 Nov 2014 12:29 PM WET**. You got a score of **18.00** out of **20.00**. You can attempt again, if you'd like.

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_44			
◉ TXT	✖	0.00	
◯ four44			
◯ for			
Total		0.00 / 1.00	

Question 2

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

Your Answer		Score	Explanation
◉ Exponent | Multiplication | Addition	✔	1.00	
◯ Addition | Multiplication | Exponent			

○ Exponent | Addition | Multiplication

○ Multiplication | Exponent | Addition

Total	1.00 / 1.00

Question 3

What part of a computer is actually doing the addition and subtraction in the following statement:

```
x = 1 + 2 - 3 * 4 / 5 + 6
```

Your Answer	Score	Explanation
○ Cloud		
○ Main Memory		
○ USB Stick		
⦿ Central Processing Unit	✔ 1.00	
Total	1.00 / 1.00	

Question 4

Which of the following is **not** a reason to use a function in your program

Your Answer	Score	Explanation
○ Putting repeated code in one place so it can be reused		
⦿ Producing code that will perform the same action many times but with different values each time	✖ 0.00	
○ Breaking a program into pieces that make sense		
○ To make your program run faster		
Total	0.00 / 1.00	

Question 5

What will the following Python program print out?

```
print "hello world"
```

Your Answer		Score	Explanation
⦿ hello world	✔	1.00	
◯ hello			
◯ world			
◯ 42			
Total		1.00 / 1.00	

Question 6

What would the following Python print out?

```
abc = "With three words"
stuff = abc.split()
print len(stuff)
```

Your Answer		Score	Explanation
◯ 14			
◯ ['With three words']			
◯ ['With', 'three', 'words']			
◯ 16			
◯ 2			
⦿ 3	✔	1.00	
◯ 6			
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
⚪ e			
🔘 walter	✔	1.00	
⚪ 4			
⚪ o			
Total		1.00 / 1.00	

Question 8

You type in the following Python code and it tells you that you have a syntax error - what is wrong?

```
x = 12
if x < 5:
print "smaller"
else:
    print "bigger"

print "all done"
```

Your Answer	Score	Explanation
⚪ There should not be a colon on the if statement		
⚪ There should be a semicolon on the "x		
🔘 print "smaller" needs to be indented	✔ 1.00	
⚪ There should not be a blank line after print "bigger"		
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
○ Zap Zap Zap		
○ Zap ABC Zap		
○ Zap ABC jane fred jane		
⦿ ABC Zap ABC	✔	1.00
Total		1.00 / 1.00

Question 10

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

```
x = 123
```

Your Answer	Score	Explanation
◯ The Cloud		
◯ Data Warehouse		
◉ Main Memory	✔	1.00
◯ Output Devices		
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 variable ix would contain -1		
◯ 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	✔	1.00
◯ The variable ix would contain 0		
Total	1.00 / 1.00	

Question 12

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
○ 12		
○ 41		
● 74	✔	1.00
○ -1		
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
○ ave		
○ total		
○ count		
● abc	✔	1.00
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
◯ try / retry		
⦿ try / except	✔ 1.00	
◯ start / rescue		
◯ on_error / goto		
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
◯ Error because of a variable name mismatch		
◯ 321cba		
◯ abc+123		
⦿ abc123	✔ 1.00	
Total	1.00 / 1.00	

Question 16

What is the purpose of the raw_input() function in Python?

Your Answer	Score	Explanation
◯ It allows the contents of a file to be read in a single call instead of a loop		

○ It allows Python to read non-text files such as JPEG images

○ It suppresses character set conversion when reading data from a socket

◉ It pauses the program and reads a line of text from the user   ✔   1.00

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		
◉ More than one All done	✔ 1.00	
○ More than one Has an h All done		
○ Has an h All done		
Total	1.00 / 1.00	

Question 18

If you ran the following Python code, what would be the output:

```
def hello():
    print "Hello"
```

```
    print "Fun"

hello()
hello()
```

Your Answer	Score	Explanation
◉ Hello Fun Hello Fun	✔ 1.00	
○ Hello Hello Fun Fun		
○ Hello Fun hello hello		
○ def hello hello		
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
○ print ave		

⊙ count = 1	✔	1.00
◯ count = 0		
◯ total = total + abc		
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
⊙ -1	✔	1.00	
◯ 15			
◯ 74			
◯ 9			
Total		1.00 / 1.00	