## **More About Python quiz**

## **TOTAL POINTS 12**

Please decide whether the following statements are true or false 1 point An "if" statement must be indented, by 4 spaces. F Τ If k is integer, how many times will the following "while" loop be executed? 1 point k = 501  $2 \cdot \text{while } k > 1$ : print(k) 3 k = k // 26 Which of the following code snippets can print "rest apples are less than 9" once and 1 point only once? apples = 1002 ₹ while True: 3 ≖ if apples < 9:</pre> 4 continue 5 print("rest apples are less than 9") 6 apples -= 9 1 apples = 1002 ▼ while apples >= 1: 3 ₹ if apples < 9:</pre> 4 print("rest apples are less than 9") 5 break apples -= 9

```
1
            apples = 100
        2 = for a in reversed(range(apples)):
                if a < 9:
        3 ₹
        4
                    print("rest apples are less than 9")
                    continue
                    apples -= 9
            apples = 100
        1
        2 ▼ while True:
        3 ₹
                if apples < 9:
        4
                    break
                    print("rest apples are less than 9")
        5
                apples -= 9
Which of the following statements about the flow control of Python functions are
                                                                                           1 point
correct?
    In "while" and "for" loops, a "continue" statement serves to stop the current loop and
    continues to enter the statement(s) below the loop body.
One of the characteristics of an "if" statement is: it makes judgment from top to
    bottom, and if one judgment is True, the statement corresponding to that judgment
    will be executed, ignoring the remaining "elif" and "else".
Boolean operators have a very interesting short-circuit logic behavior: for an
    expression "x and y", when "x" is false, it directly returns "False", without calculating
    the value of "y".
    In "while" and "for" loops, a "break" statement serves to end the current loop and re-
    starts the loop.
Which of the following statements about the flow control of Python functions are
                                                                                           1 point
correct?
    As Boolean expressions, the values of None, 0, [] and {} would be regarded as
    "False" by the interpreter.
```

When "is" is a comparison operator, the meaning of "x is y" is to compare whether

"x" is a sub-class of "y".

	fact, the result of the statement True==1 is True.	
	Comparisons of incompatible types, like integers and strings, is meaningless in mathematics. It is no longer supported in Python 3.x.	
6.	What's the result of the following program?	1 point
	<pre>1  s = 0 2  for i in range(1, 11): 3  if i % 2 == 0: 4</pre>	
	4	
7.	Regarding the function below:	1 point
	<pre>1  def location(city, province):     print('%s belongs to %s province' % (city, province))</pre>	
	Which of the following statement has a different result comparing with others?	
	location(province = 'Jiangsu', city = 'Nanjing')	
	location('Jiangsu', 'Nanjing')	
	location(city = 'Nanjing', province = 'Jiangsu')	
	o location('Nanjing', 'Jiangsu')	
8.	Define a function as below with f as the function parameter,	1 point

Standard Boolean values are 0 (representing False) and 1 (representing True); in

Which of the following options will be the result of test((lambda x,y: x \*\* 3 + y), 2, 3)?

- ( ) 10
- ( ) 11
- **(**)
- 9
- 9. Define a function as below:

1 point

What's the result of passing my\_power(-3) and my\_power(3, 3) respectively?

- 9 and -27
- -9 and -27
- 9 and 27
- -9 and 27
- 10. Which of the following is correct about the program below?

1 point

```
1 * def f(x):
2          a = 7
3          print(a + x)
4          a = 5
5          f(3)
6     print(a)
```

	The result of the program is 10 and 5.	
	The result of the program is 10 and 7.	
	The program cannot be executed normally.	
	The result of the program is 8 and 5.	
11.	What kind of exception will be generated when executing the following code snippet?	1 point
	1 >>> a = 3 2 >>> print(a ** b)	
	○ IndevError	
	IndexError	
	TypeError	
	ValueError	
	NameError	
12.	If the code snippet always generates a random number in [0, 1.0 ), what's the possible function from library random used here?	1 point
	1 >>> import random 2 >>> random()	
	random	
	randint	
	shuffle	
	uniform	