

Question 1

What is wrong with this Python loop:

n = 5

while n > 0 :

print n

print 'All done'

Your Answer		Score	Explanation
This loop will run forever	Correct	1.00	
There should be no colon on the <b>while</b> statement			
The <b>print 'All done'</b> statement should be indented four spaces			
<b>while</b> is not a Python reserved word			
Total		1.00 / 1.00	

Question 2

What does the **break** statement do?

Your Answer		Score	Explanation
Exits the program			
Exits the currently executing loop	Correct	1.00	
Resets the iteration variable to its initial value			
Jumps to the "top" of the loop and starts the next iteration			
Total		1.00 / 1.00	

Question 3

What does the **continue** statement do?

Your Answer		Score	Explanation
Jumps to the "top" of the loop and starts the next iteration	Correct	1.00	
Exits the currently executing loop			
Resets the iteration variable to its initial value			
Exits the program			

Total		1.00 / 1.00	
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### Question 4

What does the following Python program print out?

```
tot = 0

for i in [5, 4, 3, 2, 1] :

    tot = tot + 1

print tot
```

Your Answer		Score	Explanation
0			
10			
15			
5	Correct	1.00	
Total		1.00 / 1.00	

### Question 5

What is the *iteration* variable in the following Python code:

```
friends = ['Joseph', 'Glenn', 'Sally']

for friend in friends :

    print 'Happy New Year:', friend

print 'Done!'
```

Your Answer		Score	Explanation
friend	Correct	1.00	
Sally			
Glenn			
Joseph			
Total		1.00 / 1.00	

### Question 6

What is a good description of the following bit of Python code?

```
zork = 0

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

    zork = zork + thing

print 'After', zork
```

Your Answer		Score	Explanation
Compute the average of the elements in a list			
Find the largest item in a list			

Find the smallest item in a list			
Sum all the elements of a list	Correct	1.00	
Total		1.00 / 1.00	

## Question 7

What will the following code print out?

```
smallest_so_far = -1

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

    if the_num < smallest_so_far :

        smallest_so_far = the_num

print smallest_so_far
```

Hint: This is a trick question and most would say this code has a bug - so read carefully

Your Answer		Score	Explanation
-1	Correct	1.00	
3			
74			
42			
Total		1.00 / 1.00	

## Question 8

What is a good statement to describe the **is** operator as used in the following if statement:

```
if smallest is None :

    smallest = value
```

Your Answer		Score	Explanation
The if statement is a syntax error			
Is true if the <b>smallest</b> variable is not defined			
matches both type and value	Correct	1.00	
Looks up 'None' in the <b>smallest</b> variable if it is a string			
Total		1.00 / 1.00	

## Question 9

Which reserved word indicates the start of an "indefinite" loop in Python?

Your Answer		Score	Explanation
for			
break			

while	Correct	1.00	
indef			
def			
Total		1.00 / 1.00	

## Question 10

How many times will the body of the following loop be executed?

n = 0

```
while n > 0 :  
    print 'Lather'  
    print 'Rinse'  
  
print 'Dry off!'
```

Your Answer		Score	Explanation
0	Correct	1.00	
5			
This in an infinite loop			
1			
Total		1.00 / 1.00	

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