1. What is wrong with this Python loop: 1 point

```
1    n = 5
2    while n > 0 :
3        print(n)
4    print('All done')
```

- ◉ This loop will run forever
- ○ The **print('All done')** statement should be indented four spaces
- ○ There should be no colon on the **while** statement
- ○ **while** is not a Python reserved word

2. What does the **break** statement do?   1 point

- ○ Exits the program
- ○ Jumps to the "top" of the loop and starts the next iteration
- ◉ Exits the currently executing loop
- ○ Resets the iteration variable to its initial value

3. What does the **continue** statement do?   1 point

- ○ Exits the program
- ○ Resets the iteration variable to its initial value
- ○ Exits the currently executing loop
- ◉ Jumps to the "top" of the loop and starts the next iteration

4. What does the following Python program print out?   1 point

```
1    tot = 0
2    for i in [5, 4, 3, 2, 1] :
3        tot = tot + 1
4    print(tot)
```

- ○ 10
- ○ 0
- ◉ 5
- ○ 15

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

```
1   friends = ['Joseph', 'Glenn', 'Sally']
2   for friend in friends :
3       print('Happy New Year:',  friend)
4   print('Done!')
```

- 🔘 friend
- ⭕ Sally
- ⭕ Glenn
- ⭕ Joseph

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

```
1   zork = 0
2   for thing in [9, 41, 12, 3, 74, 15] :
3       zork = zork + thing
4   print('After', zork)
```

- ⭕ Count all of the elements in a list
- 🔘 Sum all the elements of a list
- ⭕ Compute the average of the elements in a list
- ⭕ Find the smallest item in a list

7. What will the following code print out?

```
1   smallest_so_far = -1
2   for the_num in [9, 41, 12, 3, 74, 15] :
3       if the_num < smallest_so_far :
4           smallest_so_far = the_num
5   print(smallest_so_far)
```

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

- 🔘 -1
- ⭕ 74
- ⭕ 42
- ⭕ 3

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

```
1   if smallest is None :
2       smallest = value
```

- ◉ The if statement is a syntax error
- ○ matches both type and value
- ○ Looks up 'None' in the **smallest** variable if it is a string
- ○ Is true if the **smallest** variable has a value of -1

9. Which reserved word indicates the start of an "indefinite" loop in Python?   `1 point`

- ○ indef
- ◉ while
- ○ def
- ○ for
- ○ break

10. How many times will the body of the following loop be executed?   `1 point`

```
1    n = 0
2    while n > 0 :
3        print('Lather')
4        print('Rinse')
5    print('Dry off!')
```

- ○ 5
- ○ 1
- ○ This is an infinite loop
- ◉ 0

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November 2025