## **Practice Quiz: Slow Code**

## **TOTAL POINTS 5**

- 1. Which of the following is NOT considered an expensive operation?
  - O Parsing a file
  - O Downloading data over the network
  - Going through a list
  - Using a dictionary

✓ Correct

Awesome! Using a dictionary is faster to look up elements than going through a list.

1/1 point

| 2. | Which of the following may be the most expensive to carry out in most automation tasks in a script?   |
|----|---|
|    | ● Loops   |
|    | ○ Lists   |
|    | O Vector  |
|    | ○ Hash  |
|    |   |
|    | ✓ Correct   |
|    | Great work! Loops that run indefinitely, and include subtasks to complete before moving on can be very expensive for most automation tasks. |
|    |   |

| 3. | Which of the following statements represents the most sound advice when writing scripts?                       | 723 |
|----|--|-----|
|    | Aim for every speed advantage you can get in your code   |     |
|    | O Use expensive operations often   |     |
|    | Start by writing clear code, then speed it up only if necessary  |     |
|    | Use loops as often as possible   |     |
|    |  |     |
|    | ✓ Correct  Awesome! If we don't notice any slowdown, then there's little point trying to speed it up.          |     |
|    |  |     |
| 4. | In Python, what is a data structure that stores multiple pieces of data, in order, which can be changed later? |     |
|    | O A hash   |     |
|    | O Dictionaries   |     |
|    | Lists  |     |
|    | ○ Tuples   | 777 |

1/1 point

5. What command, keyword, module, or tool can be used to measure the amount of time it takes for an operation

or program to execute? (Check all that apply)

