Weekly challenge 2

1.A data professional wants to define a function to calculate the volume of a box. What code should they begin with?**1 / 1 point**

⦿ `def volume_box(length, width, height):`

◯ `else volume_box(length, width, height):`

◯ `return volume_box(length, width, height):`

◯ `if volume_box(length, width, height):`

✓

Correct

2.A data professional wants to make a Python function produce new results and save the results for later use. What keyword should they use in their code? **1 / 1 point**

◯ `and`

⦿ `return`

◯ `else`

◯ `if`

✓

Correct

3.

What are the benefits of using clean code for data work? Select all that apply.**1 / 1 point**

☑ Reduce errors

✓

Correct

☑ Save time and effort

✓

Correct

☑ Enhance teamwork

✓

Correct

☐ Eliminate the need for hashtags when commenting

4.In Python, what is the process of restructuring code while maintaining its original functionality?**1 / 1 point**

⦿ Refactoring

○ Converting

○ Reprogramming

○ Branching

✓

Correct

5. A data professional adds a docstring to the beginning of a function's body. What is the purpose of the docstring? **1 / 1 point**

⦿ To summarize the function's behavior and explain its arguments and return values

○ To define the function

○ To make the function produce new results and save the results for later use

○ To run the function and print the results

✓

Correct

6. What is the Python comparator for *equal to?* **1 / 1 point**

○ `!=`

⦿ `==`

○ `>=`

○ `<=`

✓

Correct

7. A data professional writes the following code: `print(not 4 == 'Data')`. What result will Python display when they run the code? **1 / 1 point**

○ Equal

○ False

⦿ True

○ Not equal

✓

Correct

8. Fill in the blank: In Python, the _____ statement branches the execution based on a specific condition being true. **1 / 1 point**

○ `then`

○ `else`

◉ `if`

○ `elif`

✓ Correct

9. In Python, when does an `else` statement execute a piece of code? 1 / 1 point

○ When the `if` statement contains a true condition

○ When the `if` statement contains numeric data

◉ When the `if` statement contains a false condition

○ When the `if` statement contains text data

✓

Correct