✓ **Congratulations! You passed!**

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1. Fill in the blank: A data professional can use a _____ to repeat a specific block of code until a condition is no longer met.

   1 / 1 point

   ○ `for` loop

   ⦿ `while` loop

   ○ `else` loop

   ○ `if` loop

   ✓ **Correct**

2. Fill in the blank: The Python `range()` function returns a sequence of numbers starting from zero; then increments by _____, by default; then stops before the given number.

   1 / 1 point

   ⦿ one

   ○ two

   ○ three

   ○ zero

   ✓ **Correct**

3. What Python code instructs the computer to loop through values from 20 to 90 (inclusive)?

   1 / 1 point

   ○ `for x in range(21, 90):`

   ○ `for x in range(20, 90):`

   ○ `for x in range(21, 91):`

   ⦿ `for x in range(20, 91):`

   ✓ **Correct**

4. A data professional wants to set up a `for` loop. They write the following code: `for x in range(0, 26, 5):` . What is the step value of the `range()` function?

   1 / 1 point

   ○ 26

   ○ 25

   ⦿ 5

   ○ 0

   ✓ **Correct**

5. What Python code can a data professional use to concatenate the strings `'brain'` and `'storm'`?

   1 / 1 point

   ○ `'brain' == 'storm'`

   ⦿ `'brain' + 'storm'`

   ○ `'brain' != 'storm'`

   ○ `'brain' % 'storm'`

   ✓ **Correct**

6. In Python, what method works by interpreting a string as a sequence of characters, where each character has a numbered slot?

1 / 1 point

○ `format()`

○ `range()`

○ `type()`

◉ `index()`

✓ Correct

7. A data professional assigns the string `'spinach and asparagus'` to the variable `vegetables`. What code can they use to find the index of the character `'c'`?

1 / 1 point

◉ `vegetables.index('c')`

○ `index.vegetables('c')`

○ `spinach.index('c')`

○ `index.spinach('c')`

✓ Correct

8. A data professional assigns the string `'classical'` to the variable `genre`. What Python code will return the slice `'class'`?

1 / 1 point

○ `genre[-1]`

◉ `genre[ :5]`

○ `genre[5: ]`

○ `genre[1:5]`

✓ Correct

9. Fill in the blank: A data professional can use the `format()` method to _____ specific substrings in a larger string.

1 / 1 point

○ evaluate

○ print

○ measure

◉ insert

✓ Correct