Congratulations! You passed!
Grade received 100%
To pass 80% or higher
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1. Fill in the blank: A **while** loop instructs your computer to continuously execute your code based on the value of a _____.

1 / 1 point

- ◉ condition
- ◯ comparator
- ◯ function
- ◯ data type

✓ Correct
A **while** loop instructs your computer to continuously execute your code based on the value of a condition. The loop will keep iterating as long as the condition remains true.

2. A data professional wants to set up a **while** loop that will iterate as long as the variable **x** is less than 7. They assign the value 0 to the variable **x**. What code should they write next?

1 / 1 point

- ◯ `iterate x < 7:`
- ◯ `repeat x < 7:`
- ◯ `loop x < 7:`
- ◉ `while x < 7:`

✓ Correct
The code `while x < 7:` sets a condition for a **while** loop stating that the variable **x** must be less than 7. The code begins with the distinguishing keyword **while**. And, like functions and other expressions that start a distinct code block, it ends with a colon. The while loop will iterate until the condition is false.

3. In Python, the keyword **break** lets you escape a loop without triggering any **else** statement that follows it in the loop.

1 / 1 point

- ◉ True
- ◯ False

✓ Correct
In Python, the keyword **break** lets you escape a loop without triggering any **else** statement that follows it in the loop.