ANSWER

1. What are the main functional differences between a while and a for?

You can make while loops act like for loops if you put a counter in them but generally:

Use for loops when you want to loop a specific number of times.

Use while loops when you want to loop until a certain condition.

2. What’s the difference between break and continue?

Break: Jumps out of the closest enclosing loop (past the entire loop statement)

Continue: Jumps to the top of the closest enclosing loop (to the loop’s header line)

3. When is a loop’s else clause executed?

Runs if and only if the loop is exited normally (i.e., without hitting a break)

4. How can you code a counter-based loop in Python?

Use for loops with a range or while loops with a count variable.

5. What can a range be used for in a for loop?

The Python range() function is a shortcut for generating a list to you put a counter in for loops.