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

The “while” loop is a general looping statement, but the “for” is designed to iterate across items in a sequence. Although the while can imitate the “for” with counter loops, it takes more code.

1. **What are the difference between break and continue?**

You use “break” to exit while loop

You use “continue” to get back to the beginning of the loop

1. **When is a loop’s else clause executed?**

The loop’s else clause is executed after the loop ends.

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

Counter loops can be coded with a “while” statement that keeps track of the index manually, or with a “for” loop that uses the range built-in function to generate successive integer offsets.

1. **What can a range be used for in a “for” loop?**

Range (Start, Step, End)

The range built-in can be used in a “for” to implement a fixed number of repetitions, to scan by offsets instead of items at offsets, to skip successive items as you go, and to change a list while stepping across it.