Quiz

1. Main functional differences between 'while' and 'for':

- 'while' executes a block of statement as long as a test at the top keeps evaluating to a true value,

- 'for' steps through the items in a sequence or other iterable object and running a block of code for each.

2. Main differences between 'break' and 'continue':

- The break statement causes an immediate exit from a loop,

- The continue statement causes an immediate jump to the top of a loop.

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

The else clause will be executed only if no factor is found.

4. 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.

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

The range built-in can be used in a for lopo 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.