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| *https://lh3.googleusercontent.com/N9fGDjpg5NvspyXUhnTq6Z2z-hDmj-jE7U1vcCGiuUYRJJ1pYc_qiMJUm0-3zseb5GPiU7lvT2naH6aIVRmpCYArLsfQ59LSUrU6PhiwX2wNqeMaugC4tcWCdtEoqPN9dsG2NH7k* | ***Study*** |

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

The for statement iterates through a collection or iterable object or generator function.

The while statement simply loops until a condition is False.

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

The continue statement causes an immediate jump to the top of a loop. It also sometimes lets you avoid statement nesting.

The break statement causes an immediate exit from a loop.

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

The loop else clause will be executed if break is not hit.

The loop else clause is run if the body of the loop is never executed.

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

Using a while loop and manual indexing, or for loops.

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

It’s used most often to generate indexes in a for loop.