# Tutorial: Python Loops

Loops are used in Python to execute a block of code repeatedly. There are two main types of loops in Python: while and for loops.

# Videos

* Intro Python - While Loops - <https://youtu.be/UQn0cKvoFa8?si=qoDHxMmtRQhf6C2j>
* Intro Python - For Loops - <https://youtu.be/3SpUh0rM3Dg?si=QuDeaTfsIgCsAu5A>
* Intro Python-Break and Continue - <https://youtu.be/HHRptxusJq0?si=10FuPYAkV6A0ciwX>
* Intro Python - Nested Control Structures - <https://youtu.be/ld6xvFgOKdo?si=8W53PLEasomnSIub>

# While Loop

A while loop repeats a block of code as long as a specified condition is true.

|  |
| --- |
| count = 0  **while** count < 5:  print("Count is:", count)  count += 1 |

**Output:**

Count is: 0

Count is: 1

Count is: 2

Count is: 3

Count is: 4

# For Loop

A for loop iterates over a sequence (such as a list, tuple, string, or range) and executes the block of code for each item in the sequence.

|  |
| --- |
| fruits = ["apple", "banana", "cherry"] **for** fruit **in** fruits:  print("I love", fruit) |

**Output:**

I love apple

I love banana

I love cherry

# Additional Tutorials

For more practice, use the online interactive tutorials list here.

* While Loops - <https://www.w3schools.com/python/python_while_loops.asp>
* For Loops - <https://www.w3schools.com/python/python_for_loops.asp>

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