

MASTER THE PYTHON INTERVIEW

What are the different **loop statements**?

part 1



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What are the different **loop statements**?

the **WHILE** loop statement

- to **repeat** as long as a **condition is True**

while condition:

block of code

- when one or many factors can influence the condition
 - perfect for non specific and non trivial situations
- the **infinite loop**



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part 2



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What are the different **loop statements**?

the **FOR** loop statement

- to **iterate** over the **items** of an **iterable**
- what is an **iterable**?
 - an object capable of **returning its members one at a time**
 - a **sequence** (list, tuple, string...)
 - a **non-sequence** (dictionary, file, iterators, generators, ...)
- how to **iterate**?



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part 3



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What are the different **loop statements**?

break

- to perform **early exists** in a loop:
 - to stop execution of the current loop
 - to transfer the control to the next block
- works with both **WHILE** and **FOR** loop statements



What are the different **loop statements**?

continue

- to move to the **next iteration**:
 - to end the current block execution
 - to jump to the next iteration of a loop
- works with both **WHILE** and **FOR** loop statements



What are the different **loop statements**?

advanced

else

- works with both **WHILE** and **FOR** loop statements
- to **execute a block** after a **clean** loop exit (**no break**)

