Python While Loops

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Python Loops

Python has two primitive loop commands:

- `while` loops
- `for` loops

The while Loop

With the `while` loop we can execute a set of statements as long as a condition is true.

Example

Print i as long as i is less than 6:

```
i = 1
while i < 6:
  print(i)
  i += 1
```

Run example »

The `while` loop requires relevant variables to be ready, in this example we need to define an indexing variable, `i` , which we set to 1.

The break Statement

With the `break` statement we can stop the loop even if the while condition is true:

> ## Example
>
> Exit the loop when i is 3:
>
> ```python
> i = 1
> while i < 6:
>   print(i)
>   if i == 3:
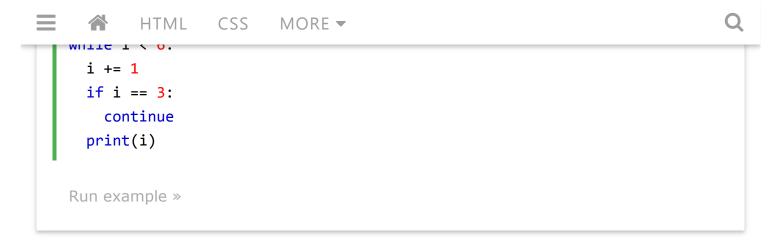>   break
>   i += 1
> ```
>
> Run example »

The continue Statement

With the `continue` statement we can stop the current iteration, and continue with the next:

> ## Example
>
> Continue to the next iteration if i is 3:

```
while i < 6:
  i += 1
  if i == 3:
    continue
  print(i)
```

Run example »

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