While

Python Loops

Python has two primitive loop commands:

- while loops
- for loops

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

1
2
3
4</pre>
```

Note: remember to increment i, or else the loop will continue forever.

The break Statement

```
i = 1
while i < 6:
    print(i)
    if (i == 3):
        break
    i += 1</pre>
```

1
 2
 3

The continue Statement

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

```
i = 0
while i < 6:
    i += 1
    if i == 3:
        continue
    print(i)</pre>
```

Note that number 3 is missing in the result

Else with While

With the else statement we can run a block of code once when the condition no longer is true:

```
i = 1
while i < 6:
    print(i)
    i += 1
else:
    print("i is no longer less than 6")

1
2
3
4
5
i is no longer less than 6</pre>
```