



Day 9: Loops (While)

Types of Loops

There are 3 types of loops in Python:

- For
- While
- Nested

Break and Continue Statement

```
# The break statement
fruits = ['apple', 'banana', 'cherry']
for fruit in fruits:
    print(fruit)
    if fruit == 'banana':
        break
```

```
# The break statement example 2
for fruit in fruits:
    if fruit == 'banana':
        break
    print(fruit)
```

```
# The continue statement
for fruit in fruits:
    if fruit == 'banana':
        continue
    print(fruit)
```

While Loop

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

```
i = 1

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

# infinite loop
while True:
    print(1)
# To stop the infinite loop press Ctrl + 'C'

# Break Statement in 'while'
i = 1
while i < 6:
    print(i)
    if i == 3:
        break
    i += 1

# Continue Statement in 'while'
i = 0
while i < 6:
    i += 1
    if i == 3:
        continue
    print(i)

# Else Statement in "while"
i = 1
while i < 6:
    print(i)
```

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