PYTHON FOR AND WHILE LOOPS-

Enumerate , Break and Continue Statement

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PYTHON FOR LOOPS

A for loop is used for iterating over a sequence (that is either a list, a tuple, a dictionary, a set, or a string).

With the for loop we can execute a set of statements, once for each item in a list, tuple, set etc.

Example

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
    print(x)
```

THE BREAK STATEMENT

With the break statement we can stop the loop before it has looped through all the items:

🌐 EXAMPLE

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
  print(x)
  if x == "banana":
    break
```

THE CONTINUE STATEMENT

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

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
  if x == "banana":
    continue
  print(x)
```

PYTHON WHILE LOOPS

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

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

Example

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

The break Statement

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

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

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:

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

THANK YOU!