Break Statement

```
while True:
    name = input('Enter name:')
    if name == 'stop': break #break statement
    age = input('Enter age: ')
    print('Hello', name, '=>', int(age) ** 2)
```

```
y = 4
x = y // 2 # For some y > 1
while x > 1:
    if y % x == 0: # Remainder
        print(y, 'has factor', x)
        break # Skip else
    x -= 1
else: # Normal exit
    print(y, 'is prime')
```

```
4 has factor 2
```

Continue Statement

```
x = 9
while x:
    x = x - 1
    if x % 2 == 0:  continue # Odd? -- skip print
    print(x, end=' ')
```

```
7 5 3 1
```

```
x = 9
while x:
    x = x - 1
    if x % 2 == 0: # Even? -- print
       print(x, end=' ')
```

```
8 6 4 2 0
```

Nested For Loops

```
items = ["aaa", 111, (4, 5), 2.01] # A set of objects
tests = [(4, 5), 3.14]
```

```
for key in tests: # For all keys
    for item in items: # For all items
        if item == key: # Check for match
           print(key, "was found")
           break
    else:
        print(key, "not found!")
```

```
(4, 5) was found
3.14 not found!
```

Start coding or generate with AI.