

1 Else after while

The *else* clause is only executed when your while condition becomes false. If you *break* out of the loop it won't be executed.

The following loop will run the else code:

```
x = 0
while x < 5:
    x += 1
    print (x)
else:
    print ('Else statement has run')
print ('End')
```

OUT:

```
x = 0

while x < 5:

    x += 1

    print (x)

else:

    print ('Else statement has run')

print ('End')
```

OUT:

```
1
2
3
4
5
Else statement has run
End
```

The following loop with a *break* will not run the *else* code:

```
x = 0
while x < 5:
    x += 1
    print (x)
    if x > 3:
        break
else:
    print ('Else statement has run')
print ('End')
```

OUT:

```
1
2
3
4
End
```