**Herhaling : LOOPS in Python**

**For Loop**

A for loop is used for iterating over a sequence

The for loop does not require an indexing variable to set beforehand.

vb1

for x in "banana":  
  print(x)

vb2

for x in "banana":  
  if x == "n":  
    continue

print(x)

vb3

for x in "banana":  
  if x == "n":  
    break

  print(x)

vb4 met range

for x in range(5):  
  print(x)

vb5

for x in range(3,16):  
  if x % 2 == 0 or x % 3 == 0:  
    continue

print(x)

vb6

for x in range(20,10,-2):  
  if x % 4 == 0 and x % 3 == 0:  
    break

  print(x)

## The while Loop

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

vb7

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

vb8

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

vb9

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

vb10 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")