**While Loop**

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

Note: remember to increment i, or else the loop will continue forever.

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

*#Print i as long as i is less than 6*i=0  
while i<6:  
 print(i)  
 i+=1

*Output: 0,1,2,3,4,5*

**Break Statement** — uses to stop the loop even if the while condition is true

*#Exit the loop when the i is 3*i=0  
while i<6:  
 print (i)  
 if i==3:  
 break  
 i+=1

*Output: 0,1,2,3*

**Continue Statement** — uses to stop the current loop and continue with the next.

*#Continue to the next iteration if i is 3:*i=0  
while i<6:  
 i += 1  
 if i==3:  
 continue  
 print(i)

*Output: 1,2,4,5,6*

**else Statement** — uses to run a block of code once when the condition no longer is true.

*#run else statement when while is not true*i=0  
while i<6:  
 print(i)  
 i += 1  
else:  
 print("no longer less than 6")  
   
*# output : 0,1,2,3,4,5,no longer less than 6*