## Loops

## The while loop

The while loop is a block of code that runs over and over until a condition is met, for example

```
In [4]:    num = float(input("Enter a negative number: "))

while num >= 0:
    print("That is not a negative number")
    num = float(input("Enter a negative number: "))

print("Thank you")

Enter a negative number: -5
Thank you
```

## The for loop

The for loop runs a section of code a specified number of time, or once for each item in a collection, for example

the range() function provides a range a number often used in for loops

The range() function can also take 2 parameters that give the range a starting number and ending number. Note that the range includes the starting number parameter, but stops just before the ending number parameter