**Introduction to Recursion**

* Any Function which calls itself is called *recursion.*
* A recursive method solves a problem by calling a copy of itself to work on a smaller problem. This is called the recursion step.
* The recursion step can result in many more such recursive calls. It is important to ensure that the recursion terminates.
* Each time the function calls itself with a slightly simple version of the original problem.
* The sequence of smaller problems must eventually converge on the **base case.**