

Recursion

Meaning of Recursion

Recursive is an adjective originating from 'recurrere', a Latin verb that means 'running back'.

$n! = n * (n-1)!$, if $n > 1$ and $f(1) = 1$

Recursion is *a technique of coding or programming a problem where a function is calling itself once or many times in its body.*

Typically, it is taking back this function call's return value. When a function is fulfilling the recursion condition, you can refer to this function a recursion.

A recursive function in Python is one that calls itself.

The main use of recursion to solve difficult or complex problems that one can break down into smaller, identical problems.