**Recursion**

**What is recursion?**

Recursion is a process in which a function calls itself as a subroutine. This allows the function to be repeated several times, since it calls itself during its execution. Functions that incorporate recursion are called recursive functions.

**What is the base case?**

The base case returns a value without making any subsequent recursive calls

**When to use recursion?**

When people refer to "recursion", they're usually talking about a function they've written which calls itself repeatedly until it is done with its work. Recursion can be helpful when traversing hierarchies in data structures.

**What is the stack?**

Stack is a linear Data Structure which follow a particular order in which operations are performed.The order can be FILO (First in last Out) or it may be LIFO.

**What is the connection between stack and recursion?**

Stack is a LIFO ( Last In First Out) data structure. coming to recursion, Recursion is technique of solving any problem by calling same function again and again until some breaking (base) condition where recursion stops and it starts calculating the solution from there on.