Practical 3 :

**Warm-up questions:**

1. Recursive part in which the solution is expressed in terms of a smaller version of itself.

Base case

1. Recursion is: theoretically powerful and often used in algorithms that could benefit from recursive methods.
2. TRUE : All recursive functions can be implemented iteratively
3. FALSE : if a recursive algorithm does NOT have a base case, the compiler will detect this and throw a compile error?
4. FALSE :a recursive function must have a void return type.

### FALSE : Recursive calls are usually contained within a loop.

1. TRUE: The base case for this recursive function is an argument with the value zero.
2. The base case for this recursive function is an argument with the value zero.
3. No base case

Too many memory requirements

Excessive recomputation

1. Memoisation