**Exercise 7: Financial Forecasting**  
**Understanding Recursive Algorithms:**

Recursive Algorithm are the Functions that calls themselves until a base condition is satisfied .  
 It’s like Breaking the complex problems and solving into smaller sub-problem  
   
**Time Complexity :**   
 The Complexity for recursive algorithms are **O(n)**.

**Optimization:**  
 **Iterative Approach:** Recursive can be sometime inefficient for a larger values of n . An iterative version would use loops to avoid overload