1)Explain the concept of recursion and how it can simplify certain problems.

Recursion is technique in which a function calls itself directly or indirectly to solve a problem by breaking it into many subproblems.The function calls itself until it reaches the base case.

2)Discuss the time complexity of your recursive algorithm.

The time complexity of the recursive algorithm used in my code is O(n) since for each year it calls the function.It grows linearly with the number of years.

3) Explain how to optimize the recursive solution to avoid excessive computation.

To optimize a recursive solution we should use memoization which store the result of already Computed recursive call so that we don’t have to compute that again. Thus in memorization it avoid excessive computation