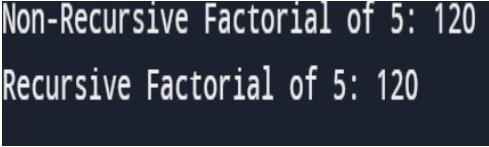


4. Write C programs that demonstrate the mathematical analysis of non-recursive and recursive algorithms.

output: 

TIME COMPLEXITY:-linear search :- $O(n)$
Recursive fibonacci:- $O(n^2)$