## Arewen to the question no:02

(a) For Proplementation 1, we can see it's a reconsion

$$T(n) = T(n-1) + T(n-2) + C$$

.. Time complexity = O(2n)

For implementation 2,

There is a too loop in implementation?

Since implementation 2 only Uses I too 100p,

Time complexity, T (n) = 0 (n)

So, we can say that, 2<sup>n</sup> > n. The itenative method limplementation ?) is spanish, cantly fasten. So, implementation ? is the better method in terms on time complexity.