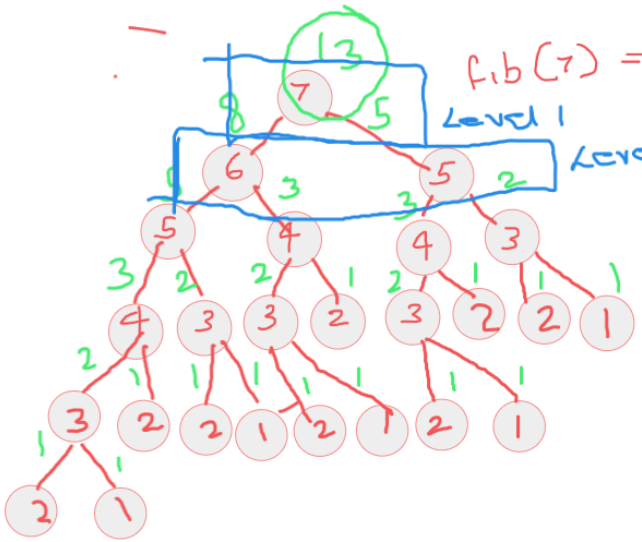
Write a Function fib(n) that takes in a number as an argument . The function should return the nth number of fibanocci sequence
1. First and second number is 1
2. To generate the next number of fibanocci sequence , we sum previous 2 numbers

n =	1	2	3	4	5	6	7	8	9
fib(n) =	1	1	2	3	5	8	13	21	34

Fib(7) = 13
Fib(9) = 34



fib(7) = fib(5) + fib(6)

Time complexity = 2^n
Space complexity = n (height of the tree)

Level - 0 - 1
Level - 1 - 2
Level - 2 - 4
Level - 3 - 8
} 2^n

The subtrees are all duplicated so we could see that the larger problem is a smaller subset of multiple sub problems