*Space Complexity Analysis*

1. **Space Complexity Analysis**

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What is the space complexity of following recursive code ?

def multiplyRec(m, n):

if n==1:

return m

return m + multiplyRec(m, n - 1)

1. O(m)
2. O(m\*n)
3. O(n) //answer
4. None of these
5. **Merge Sort Space Complexity**

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##### The space complexity for merge sort is :

1. O(n) //answer
2. O(n^2)
3. O(nlogn)
4. O(log n)
5. **Fibonacci Space Complexity**

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The space complexity for finding nth fibonacci number using recursion is :

1. O(n) //answer
2. O(2^n)
3. O(log n)
4. O(n^2)
5. O(nlogn)