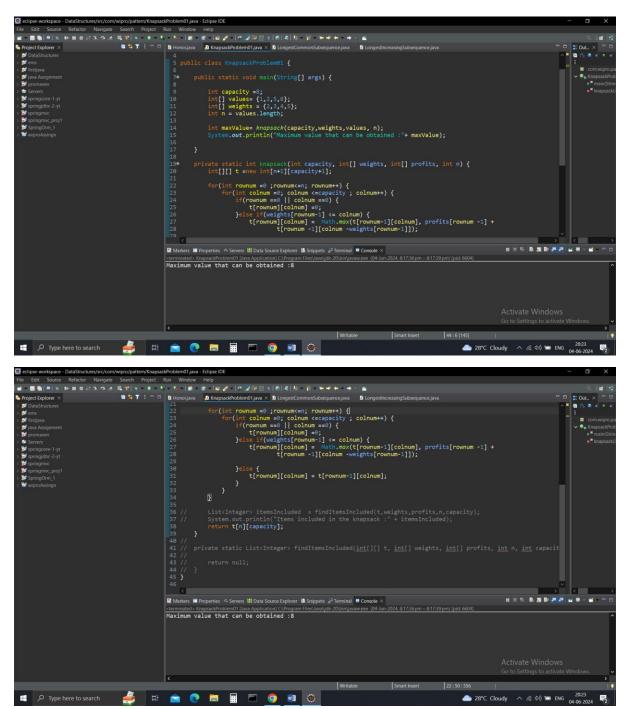
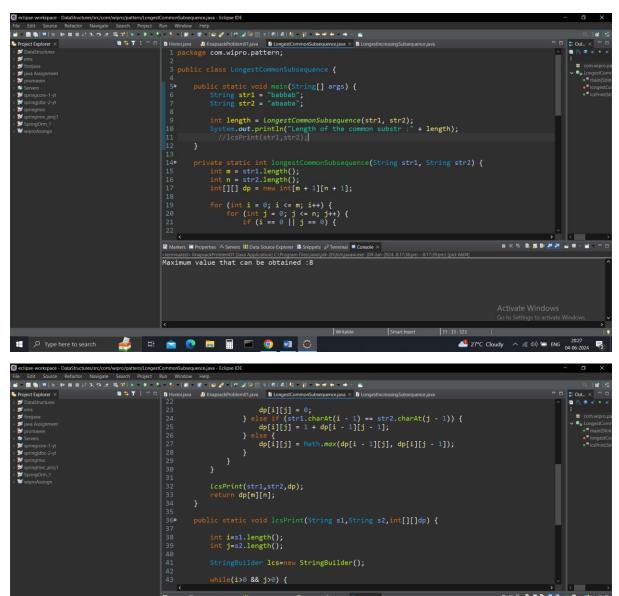
## Task 1: Knapsack Problem

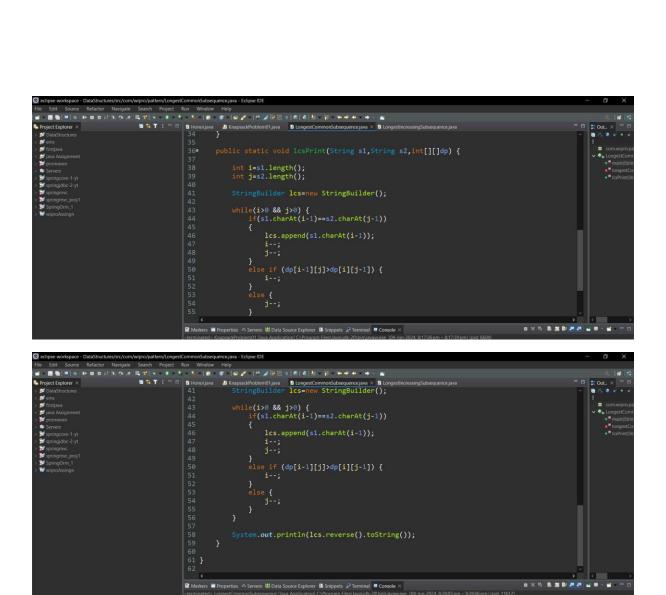
Write a function int Knapsack(int W, int[] weights, int[] values) in C# that determines the maximum value of items that can fit into a a knapsack with a capacity W. The function should handle up to Find the optimal way 100 items. P tems. Find the to fill the ki knapsack with ith the given items to achieve the maximum total value. You must consider that you cannot break items, but have to include them whole.



## Task 2: Longest Common Subsequence

Implement int LCS(string text1, string text2) to find the length of the longest common subsequence between two strings.





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abab Length of the common substr :4

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