## **❖**Reverse Words in String:

## Explanation: -

The problem is to create a Java program that reverses the order of words in a given sentence using a recursive approach. The program should process the sentence by identifying individual words and reconstructing the sentence in reverse order. The final output should display the sentence with its words rearranged from last to first. Time Complexity: - O(n.m)

Space Complexity: - O(n) +----+ Start | V +----+ | Input Sentence | | Call reverseWords(sentence) | +----+ V +----+ Is sentence empty? Yes No | Return "" | | Find last space in sentence |

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V
| Is there no space?
   Yes No
+----+
| Return sentence | | Extract last word and
+----- | remaining sentence
         | Call reverseWords(remainingSentence) |
                 V
         +----+
         | Return lastWord + " " + result |
         +----+
          Output Reversed Sentence |
              End
```