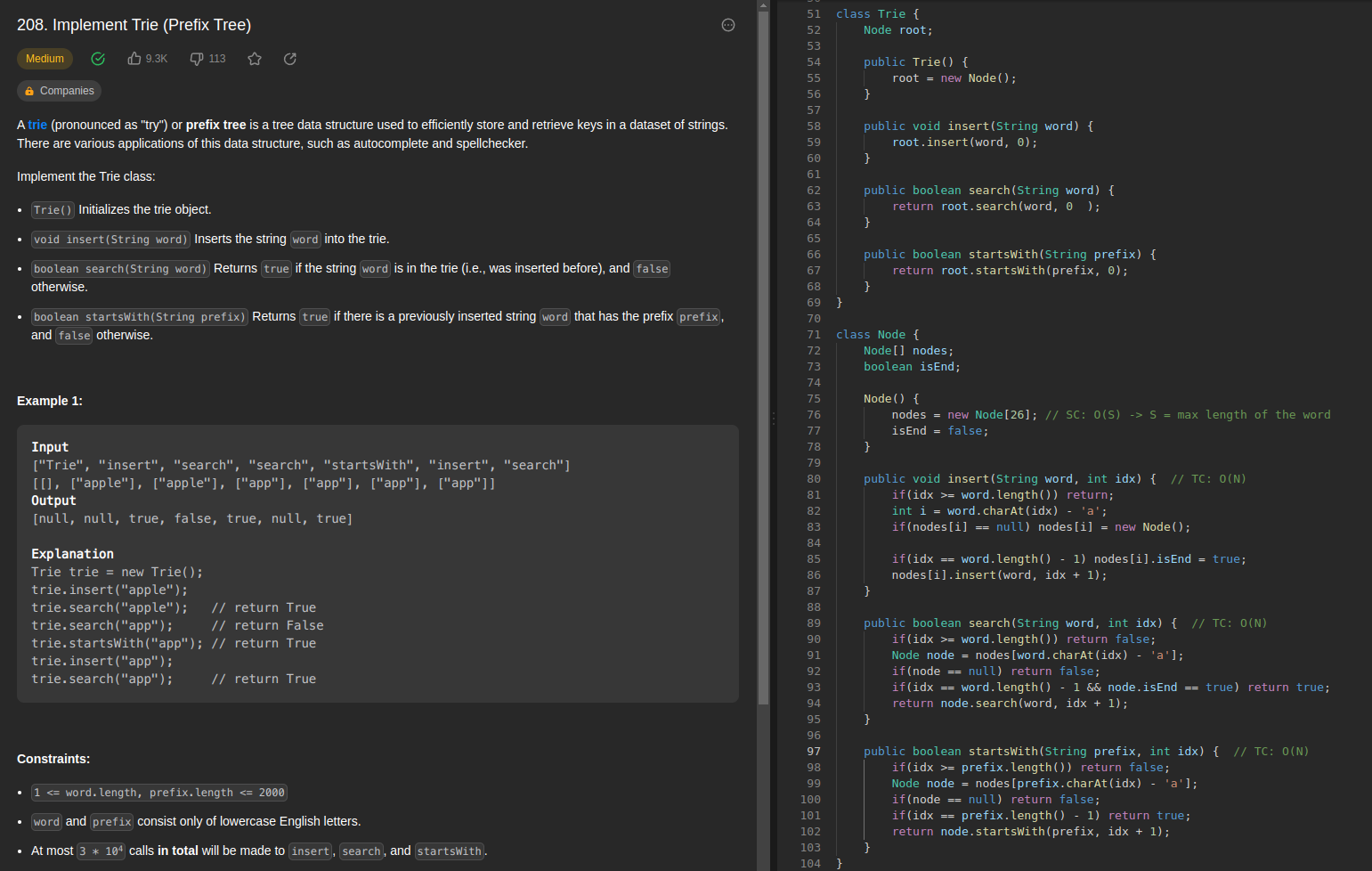
|  |  |
| --- | --- |
| **Tries** | |
| Implement Trie (Prefix Tree) - Recursive methods | 1 |
| Implement Tire (Prefix Tree) - Iterative methods | 1 |
| Design add and search words data structure | 2 |
|  |  |
|  |  |
|  |  |
|  |  |

**Implement Trie (Prefix Tree) - Recursive methods**

TC: O(N)

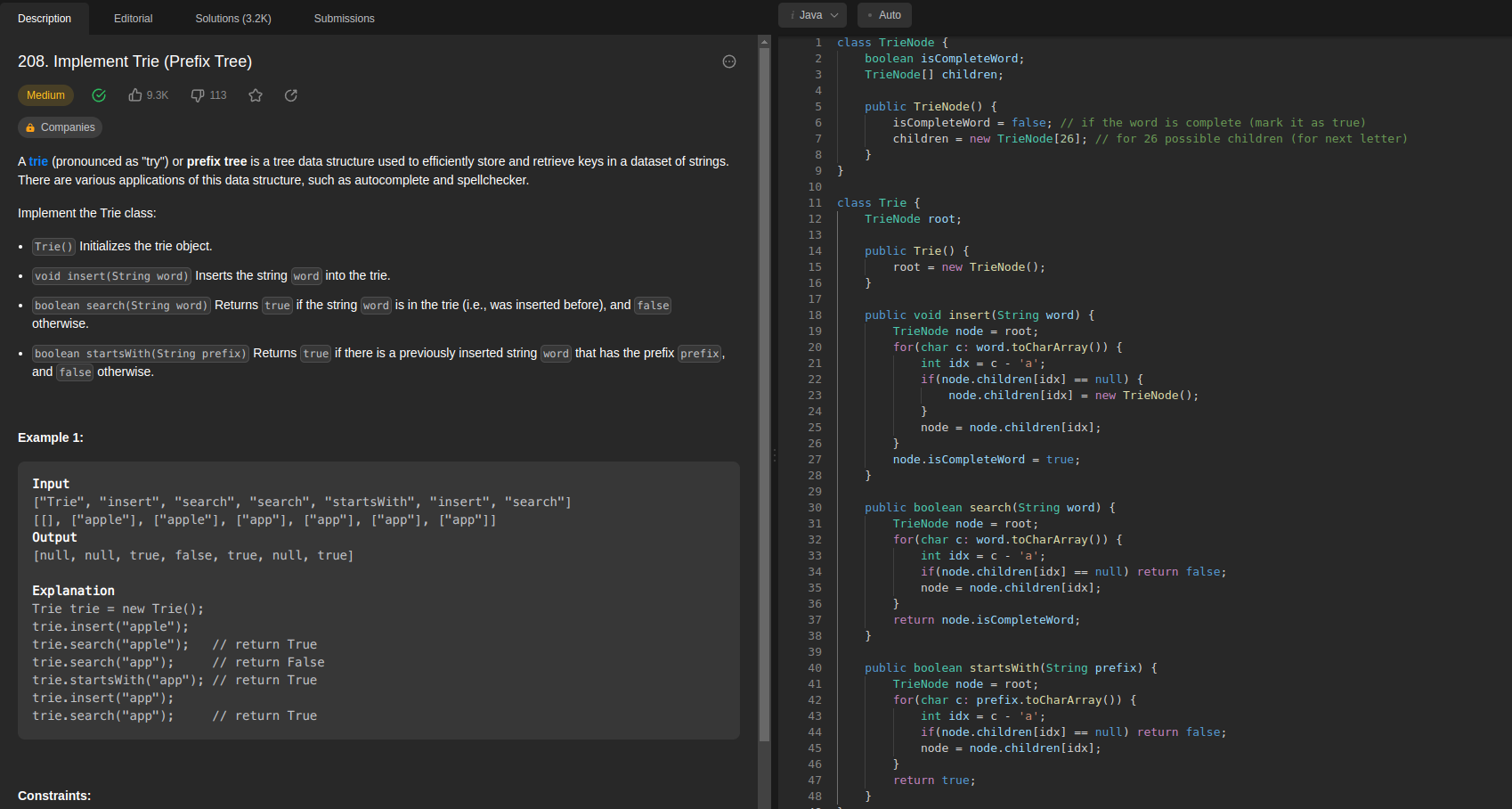
SC; O(S)



**Implement Trie (Prefix Tree) - Iterative methods**

TC: O(N)

SC: O(S)

****

**Design add and search words data structure:**

TC: Insert: O(N)

Search: O(N \* M) n = word len, m = no. Of calls

SC: O(S) // No.of chars in the string

