```
1 | #include <bits/stdc++.h>
   using namespace std;
 3 #define ll long long
   #define inf (int)1e9
   TrieTree:
 6
 7
   struct TrieTree{
8
        struct Node{
9
            char data; // change type of data
            int wordCount;
10
11
            int prefixCount;
            map<char , Node*> edge;
12
13
14
            Node(char a){
                this→data = a;
15
16
                this→wordCount = 0;
17
                this → prefixCount = 0;
            }
18
19
        };
20
21
        Node* base;
22
        TrieTree(vector<string> a){
23
24
            this→base = new Node('*');
            for (int i = 0; i < a.size(); i++)</pre>
25
26
                addWord(a[i]);
27
        }
28
29
        void addWord(string s){
30
            Node* cur = base:
31
            for (int i = 0; i < s.size(); i++)</pre>
32
                if(cur→edge[s[i]]=NULL) cur→edge[s[i]] = new Node(s[i]);
33
34
                cur = cur→edge[s[i]];
35
                cur→prefixCount++;
            }
36
37
            cur→wordCount++;
        }
38
39
        // delete word count only not prefix count
40
        void deleteWord(string s){
41
            Node* cur = base;
42
43
            for (int i = 0; i < s.size(); i++){</pre>
                if(cur→edge[s[i]]=NULL) return;
44
45
                cur = cur→edge[s[i]];
46
47
            if(cur\rightarrowwordCount\neq0)
48
                cur→wordCount --;
49
        }
50
51
        // return count of word and prefix equal s
52
        // word prefix
53
        pair<int , int> countWord(string s){
54
            Node* cur = base;
            for (int i = 0; i < s.size(); i++)</pre>
55
56
            {
57
                if(cur→edge[s[i]]=NULL) return {0 , 0};
58
                cur = cur→edge[s[i]];
59
            }
            return make_pair(cur→wordCount , cur→prefixCount);
60
        }
61
```