 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 6	Name : Pushti Depani	
Day : 122	Date : 16/2/2023	Enrollment No: 92000133018

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

<https://www.interviewbit.com/problems/word-break-ii/>

Your Code:


```
vector<string> Solution::wordBreak(string A, vector<string> &B) {
    int n =A.size();
    vector<vector<string>> c(n+1);
    for(int i=1; i<=n; i++){
        for(int j=i-1; j>=0; j--){
            string d =A.substr(j, i-j);
            if(e.count(d))
                if(j == 0) c[i].push_back(d);
                else for(auto x: c[j]) c[i].push_back(x + " " + d);
        }
    }
    return c[n];
}
```

Output (Screen Shot):

Understanding about problem:

In this we can sub divide the problem and we can apply backtracking. We need to find the every prefix of the string and with the word dictionary. And if it is found then recursive function will be called. And we will check that the index is present or not. And if the last index is present then the whole string will be present.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

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ALL THE BEST
Team CP Club