

# Zoho Corporation - Programming Test

## Section B:

1. Assume a two dimensional string array. Each array contains child and father details. '0'th element is the child and '1'st is the parent. Write a program to accept a name and find the number of children and grand children he has. Don't use any brute force methods. Assume names are unique.

Example:

Data:

```
[  
    [Surya, Sivakumar],  
    [Karthi, Sivakumar],  
    [Sivakumar, Rakkaiya],  
    [Dev, Surya],  
    [Umayaal, Karthi],  
    [Diya, Surya],  
    [Prabu, Sivaji],  
    [Vikram, Prabu]  
]
```

Input: Surya, 1            // 1 indicates the number of children Surya has

Output: 2

Input: Karthi, 1

Output: 1

Input: Sivakumar, 2            // 2 indicates the number of grandchildren Sivakumar has

Output: 3