

## LAB - TEST - 2 - ADS

VYSHNAVI.M.N  
IBM18CS125

### Program - 2

```
#include <bits/stdc++.h>
using namespace std;

string stringWithSecondHighFreq (vector<string> &A)
{
    unordered_map<string, int> hash-table;
    for (int i = 0; i < A.size(); i++)
    {
        hash-table[A[i]]++;
    }

    int max-freq = 0;
    int second-highest-freq = 0;
    for (auto ele : hash-table)
    {
        max-freq = max(max-freq, ele.second);
        if (second-highest-freq < ele.second &&
            ele.second < max-freq)
        {
            second-highest-freq = ele.second;
        }
    }

    for (auto ele : hash-table)
    {
        if (ele.second == second-highest-freq)
        {
            return ele.first;
        }
    }
}
```