

<https://course.acciojob.com/idle?question=4ba002e3-51e3-4770-abdf-94f04d3aef69>

● EASY

● Max Score: 30 Points

Most Frequent Word in Array

Given an array `arr` containing `N` words consisting of lowercase characters. Your task is to find the most frequent word in the array. If multiple words have same frequency, then print the word whose first occurrence occurs last in the array as compared to the other strings with same frequency.

Input Format

Input consist of two lines. The first line contains a number `N` representing the size of the array. Next line consists of `N` words separated by space.

Output Format

Print a single word which is the most frequent word in the array.

Example 1

Input

```
3
geeks for geeks
```

Output

```
geeks
```

Explanation

"geeks" comes 2 times.

Example 2

Input

```
2  
hello world
```

Output

```
world
```

Explanation

"hello" and "world" both have 1 frequency. We print "world" as its first occurrence comes last in the input array.

Constraints

$1 \leq N \leq 50000$

$1 \leq |\text{each string}| \leq 50$

Note: Sum of length of all strings does not exceed $5 \cdot 10^5$

Topic Tags

- Hashing

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        String arr[]=new String[n];
        for(int i=0;i<n;i++)
            arr[i]=s.next();
        HashMap<String, Integer>hm=new HashMap<>();
        for(int i=0;i<n;i++)
        {
            if(hm.containsKey(arr[i]))
            {
                hm.put(arr[i],hm.get(arr[i])+1);
            }
            else hm.put(arr[i],1);
        }
        int max=1;
        String str=arr[0];

        for(int i=0;i<n;i++)
        {
            int f=hm.get(arr[i]);
            if(f>=max)
            {
                max=f;
                str=arr[i];
            }
        }
    }
}

```

```
        System.out.print(str);  
    }  
}
```