

<https://course.acciojob.com/idle?question=f2ee866e-6365-42d6-b9a9-413094c4e5a8>

● EASY

● Max Score: 30 Points

●

Reverse String with intact spacing

You are given a string `s` consisting of lowercase alphabets and spaces. You need to reverse the string while maintaining the position of spaces.

NOTE: You need to complete the given function. The input and printing of output will be handled by the driver code.

Input Format:

The first line contains the number of test cases.

For each test case: You are given the string `S`.

Output Format:

For each test case return the reversed string.

Example 1:

Input:

```
1
one piece
```

Output:

```
ece ipeno
```

Explanation:

We maintain the position of the spaces.

Example 2:

Input:

```
1
gear five
```

Output:

```
evif raeg
```

Explanation:

We reverse the complete string while maintaining the position of the spaces.

Constraints:

$1 \leq T \leq 10$

$1 \leq |S| \leq 10000$

Topic Tags

- **Strings**

My code

```
// n java
import java.io.*;
import java.util.*;

class Main
{
```

```

public static void main(String args[])throws IOException
{
    BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));
    int t = Integer.parseInt(br.readLine());
    while(t-- > 0)
    {
        String s;
        s = br.readLine();

        Solution ob = new Solution();

        System.out.println(ob.reverseWithIntactSpacing(s));
    }
}

```

```

class Solution
{
    String reverseWithIntactSpacing(String S){
        int start = 0;
        int end = S.length()-1;
        StringBuilder Str = new StringBuilder(S);
        while (start < end){
            if (S.charAt(start) == ' '){
                start++;
                continue;
            }
            else if (S.charAt(end) == ' '){
                end--;
            }
        }
    }
}

```

```

        continue;
    }
    else{
        Str.setCharAt(start, S.charAt(end));
        Str.setCharAt(end, S.charAt(start));
        start++;
        end--;
    }
}
return Str.toString();
}
}

```

```

/*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();
        for(int l=0;l<n;l++)
        {
            String str= s.nextLine();
            int size=str.length();
            // int lp=0,rp=size-1;

```

```

        // while(lp<size)
        //     {
        //         if(str.charAt(lp)==' ')
        //             System.out.print(" ");
        //         else
        //         {
        //             if(str.charAt(rp)==' ');
        //             rp--;
        //         }
        System.out.print(str.charAt(rp));
        //             rp--;
        //         }
        //         lp++;
        //     }
    System.out.println(str);
        System.out.print(size);
    }
}

```

```

}*/

```

