# STUDENT REPORT

## DETAILS

**Name**

H M Karthik

**Roll Number**

22B124ME472-T

## EXPERIMENT

**Title**

STRING SHORTENING

**Description**

.You are provided with string str and your task is to shorten the string to the minimum length possible. The minimum length of the string has be attained by performing a set of operations that states that you could select two same characters and delete them but without disturbing the order in the shing which means that only the adjacent same letters can be deleted. For example, "baaab" can be reduced to "bab" in just one iteration.

Your task is to shorten the length of the string str and print the reduced string and if all the characters are deleted then prist "Empty String".

Input Format:

The Input consists of a single line:

The line contains string str

The input will be read from the STDIN by the candidate

Output Format:

Print the modified string. If the modified string contains character, then print "Empty String".

The output will be matched to the candidate's output printed on the STDOUT

Sample Input 1:

baaab

Output:

bab

Sample Input 2:

baab

Output:

Empty String

**Source Code:**

```python
s=input()
l=[]
for i in s:
    if l and l[-1]==i:
        l.pop()
    else:
        l.append(i)
res="".join(l)
if res:
    print(res)
else:
    print("Empty String")
```

## RESULT

5 / 5 Test Cases Passed | 100 %