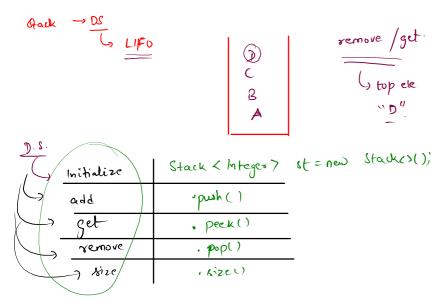
Revision.



```
Can 1 remove / get from stack?
```

Reverse string

Problem Leaderboard Submissions Discussions

Given a String Str. We have to Reverse the string Str with help of only stacks

Sample Input 0

abcdee

Sample Output 0

eedcba

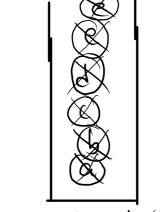


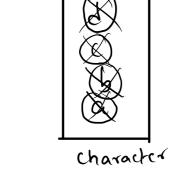
ch= last. ans = ""

e ed cha.

s→ abcdee

st. size() = 0





ans
$$\rightarrow$$
 e e d $c(b)$ a

Now At (3) \rightarrow (b)

```
1 ▼ import java.io.*;
     import java.util.*;
    public class Solution {
        public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
            String s = scn.next();
            Stack<Character> st = new Stack<>();
            for(int i = 0; i < s.length(); i++){</pre>
                char ch = s.charAt(i);
                st.push(ch);
            String ans = "";
            //process
            while(st.size() != 0){
                ans += st.pop();
            System.out.println(ans);
27 }
```

1 + 2+3+ --- +n-

20. Valid Parentheses	W F 6 7) "
Easy 1 20847	» ([(])
Given a string containing just the characters '(', ')', '{', '}', '[' and ']', determine if the input string is valid.	Jalse/n.v.
An input string is valid if:	8 -> ")(
1. Open brackets must be closed by the same type of brackets. 2. Open brackets must be closed in the correct order.	8 -> ")(
very close bracket has a corresponding open bracket of the same type.	
d → () → valid	$s \to c(1)$
N = -11	C true.
$s \rightarrow (\sqrt{s})'' \rightarrow valid$	s > "(" ~ not v-did
$s \rightarrow (()) \xrightarrow{\times} $ not val	hid.

Variate
$$s \rightarrow s$$
 $\{([(i)])\}^n$ $open \rightarrow push$

$$close \cdot ch(i) \rightarrow i$$

$$peck \rightarrow \{((i)) \rightarrow i\}$$

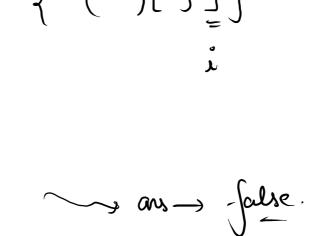
$$peck \rightarrow \{((i)) \rightarrow i\}$$

$$peck \rightarrow \{((i)) \rightarrow i\}$$

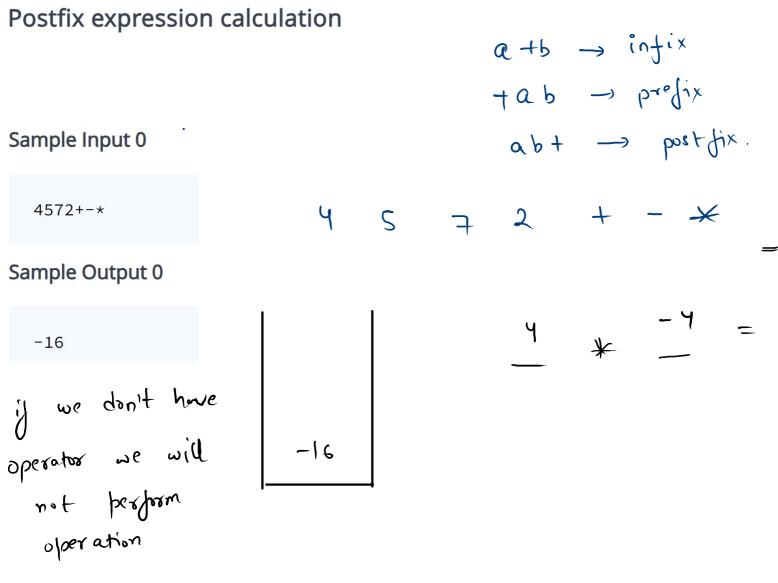
$$peck \rightarrow [((i)) \rightarrow i]$$

$$peck \rightarrow [((i)) \rightarrow i]$$

Invalid. { ()[]]}



```
class Solution {
          public boolean isValid(String s) {
 2 +
              Stack<Character> st = new Stack<>();
 3
 4
 5 +
              for(int i = 0; i < s.length(); i++){
 6
                  char ch = s.charAt(i);
 7
 8
                  //open bracket -> push
                  if(ch == '(' || ch == '{' || ch == '['){
 9 +
                      st.push(ch);
10
11
                  else{
12 *
                      if(st.size() == 0){
13 *
14
                          return false;
15
                      else if(ch == ')' && st.peek() != '('){
16 *
                          return false;
17
18
                      else if(ch == ']' && st.peek() != '['){
19 +
                          return false;
20
21
                      else if(ch == '}' && st.peek() != '{'){
22 *
                          return false;
23
24
25 ₹
                      else{
26
                          st.pop();
27
28
29
30
31
32
              return st.size() == 0;
33
```



$$\pm 23$$
. \longrightarrow result \rightarrow invalid.

 234 \longrightarrow invalid.

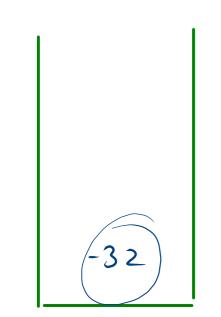
 $1/p$.

 $1/p$.

 $1/p$.

 $1/p$.

2 2 7 + - 4 *



```
public static void main(String[] args) {
  Scanner scn = new Scanner(System.in);
   String s = scn.next();
   Stack<Integer> st = new Stack<>();
    for(int i = 0; i < s.length(); i++){
        char ch = s.charAt(i);
        if(ch >= '0' && ch <= '9'){
           st.push(ch-'0');
       else{
            //operator: + - * /
            int v2 = st.pop();
            int v1 = st.pop();
            int result = -1;
            if(ch == '+'){
                result = v1 + v2;
            else if(ch == '-'){
                result = v1 - v2;
            else if(ch == '*'){
                result = v1 * v2;
            else{
                result = v1 / v2;
            st.push(result);
    System.out.println(st.peek());
```

int age;

String name;

public void printname()

body -

() Interjace List { public void add(int x);

Interface a 26 don't have Lined set (implementation Jews 6 Vedox tize