Reverse Words in a Given String

code

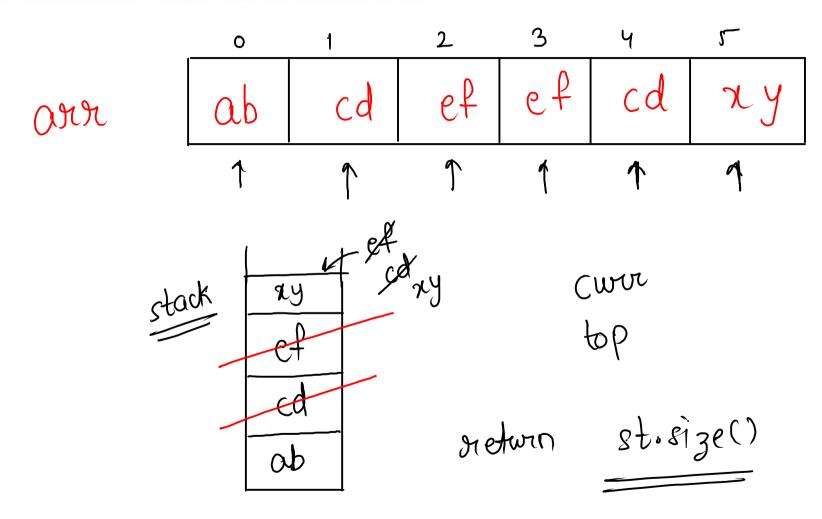
```
public static void main(String[] args) {
                           Scanner scn = new Scanner(System.in);
                           String str = scn.nextLine();
                           reverseWords(str);
                      public static void reverseWords(String str) {
T.C = O(N)

(Jength of)

(Stack

S.C = O(N)
                          String[] arr = str.split(" ");
                          Stack<String> st = new Stack<>();
                          for (int i = 0; i < arr.length; i++) {
                               st.push( arr[i] );
                          String ans = "";
                          while ( st.size() > 0 ) {
                               ans += (st.peek() + " ");
                               st.pop();
                           System.out.println(ans);
```

Delete consecutive



psudo

1) troverse in our

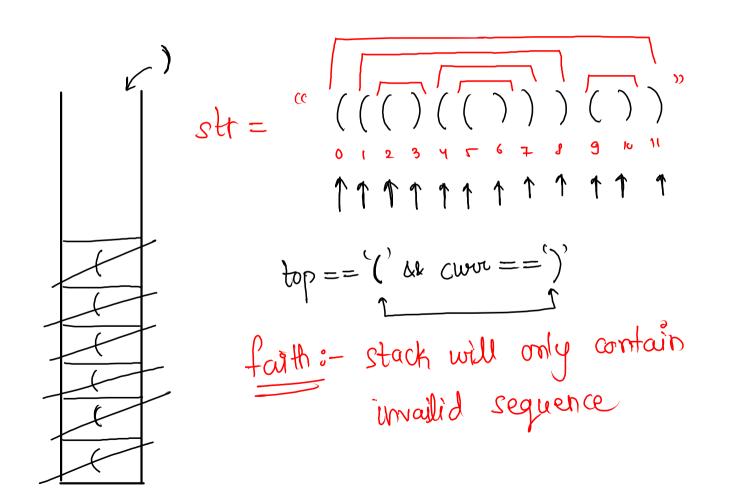
1.1) check for empty stack && top J= cwrr
push (cwrr)

1.2) pop()

netwon size();

```
public static int deleteConsecutive(String[] arr, int n) {
    Stack<String> st = new Stack<>();
  for (int i = 0; i < arr.length; i++) {
  if ( !st.isEmpty() && st.peek().equals(arr[i]) ) {
    st.pop();
} else {
    st.push( arr[i] );
}
    return st.size();
}
              aur [ ab, zyz, ab, zyz, ef, ef, zyz]
```

valid parentheses 10



1111 (if cour == ())

then check for () at top

else

push

size >0

false

code

```
H.W ([{ [ { } ] ] )
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
    System.out.println(validParanthesis(str));
public static boolean validParanthesis(String str) {
    Stack<Character> st = new Stack<>();
    for (int i = 0; i < str.length(); i++) {</pre>
        if ( !st.isEmpty() && str.charAt(i) == ')' && st.peek() == '(' ) {
            st.pop();
        } else {
            st.push( str.charAt(i) );
    return st.size() == 0;__
```