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import java.io.*;
import Stack.*;
class inf2postf{
    public static void main(String[] args) throws IOException{
        System.out.print("Please enter an infix equation: ");
        BufferedReader stdin = new BufferedReader(new InputStreamReader(System.in));
        String myEquation = stdin.readLine();
        Stack myStack = new Stack();
        myStack.push(new String(""));
        for(int x = 0; x < myEquation.length(); x++){
            if((myEquation.charAt(x) == '*' || (myEquation.charAt(x) == '/') ||
                if(((String)myStack.top().getItem()).equals("/") || ((String)myStack.top().getItem()
                    ().equals("/"))){
                    System.out.print((String)(myStack.pop()));
                    myStack.push(myEquation.substring(x, x+1));
                }else{
                    myStack.push(myEquation.substring(x, x+1));
                }
                continue;
            }
            if((myEquation.charAt(x) == '+' || (myEquation.charAt(x) == '-'))){
                if(((String)myStack.top().getItem()).equals("/") || ((String)myStack.top().getItem()
                    ().equals("/") || ((String)myStack.top().getItem()).equals("+") || ((String)myStack.top().getItem()
                    ().equals("-"))){
                    System.out.print((String)(myStack.pop()));
                    myStack.push(myEquation.substring(x, x+1));
                }else{
                    myStack.push(myEquation.substring(x, x+1));
                }
                continue;
            }
            if(myEquation.charAt(x) == '('){
                myStack.push(myEquation.substring(x, x+1));
                continue;
            }
            if(myEquation.charAt(x) == ')'){
                while(!(((String)myStack.top().getItem()).equals(new String("(") ))){
                    System.out.print((String)(myStack.pop()));
                }
                myStack.pop();
            }else{
                System.out.print(myEquation.substring(x, x+1));
            }
        }
        while(!myStack.empty()){
            System.out.print((String)(myStack.pop()));
        }
        System.out.println("");
        try{System.in.read();}catch(Exception e){};
    }
}

```