```java
import java.util.Stack;
import java.util.Scanner;

public class InfixToPostfix
{
    static int Prec(char ch)
    {
        switch (ch)
        {
        case '+':
        case '-':
            return 1;

        case '*':
        case '/':
            return 2;

        case '^':
            return 3;
        }
        return -1;
    }


    static String infixToPostfix(String exp)
    {

        String result = new String("");

        Stack<Character> stack = new Stack<Character>();

        for (int i = 0; i<exp.length(); ++i)
        {
            char c = exp.charAt(i);

            if (Character.isLetterOrDigit(c))
                result += c;

            else if (c == '(')
                stack.push(c);

            else if (c == ')')
            {
                while (!stack.isEmpty() && stack.peek() != '(')
                    result += stack.pop();
                  stack.pop();
                /*if (!stack.isEmpty() && stack.peek() != '(')
                    return "Invalid Expression"; // invalid expression
                else
                    stack.pop(); */
            }
            else
            {
                while (!stack.isEmpty() && Prec(c) <= Prec(stack.peek()))
                    result += stack.pop();
                stack.push(c);
            }

        }

        while (!stack.isEmpty())
            result += stack.pop();

        return result;
    }

    public static void main(String[] args)
    {
        Scanner in=new Scanner(System.in);
```

```
70            String exp = in.nextLine();
71            System.out.println(infixToPostfix(exp));
72        }
73    }
```