```
package com.interpreter;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.HashMap;
public class ClientTest {
 public static void main(String[] args) throws IOException {
   // TODO Auto-generated method stub
   String expStr = getExpStr(); // a+b
   HashMap < String, Integer > var = getValue(expStr);// var {a=10, b=20}
   Calculator calculator = new Calculator(expStr);
   System.out.println("运算结果: " + expStr + "=" + calculator.run(var));
 }
 // 获得表达式
 public static String getExpStr() throws IOException {
   System.out.print("请输入表达式:");
   return (new BufferedReader(new InputStreamReader(System.in))).readLine();
 }
 // 获得值映射
 public static HashMap < String, Integer > getValue(String expStr) throws
IOException {
   HashMap<String, Integer> map = new HashMap<>();
   for (char ch : expStr.toCharArray()) {
     if (ch!= '+' && ch!= '-') {
       if (!map.containsKey(String.valueOf(ch))) {
         System.out.print("请输入" + String.valueOf(ch) + "的值: ");
         String in = (new BufferedReader(new
InputStreamReader(System.in))).readLine();
         map.put(String.valueOf(ch), Integer.valueOf(in));
       }
     }
   }
   return map;
 }
}
```