

Pilha de chamadas de métodos

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```
package application;

import java.util.InputMismatchException;
import java.util.Scanner;

public class Program {

    public static void main(String[] args) {

        method1();

        System.out.println("End of program");

    }

    public static void method1() {
        System.out.println("****METHOD1 START****");
        method2();
        System.out.println("****METHOD1 END****");
    }

    public static void method2() {
        System.out.println("****METHOD2 START****");
        Scanner sc = new Scanner(System.in);

        try {
            String[] vect = sc.nextLine().split(" ");
            int position = sc.nextInt();
            System.out.println(vect[position]);
        }
        catch (ArrayIndexOutOfBoundsException e) {
            System.out.println("Invalid position!");
            e.printStackTrace();
            sc.next();
        }
        catch (InputMismatchException e) {
            System.out.println("Input error");
        }
        sc.close();
        System.out.println("****METHOD2 END****");
    }

}
```