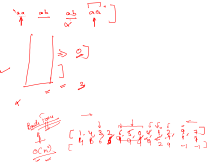```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();
        Stack<Character> st = new Stack<>();
        while(n != 0) {
            int n = scn.nextInt();
            String s = "";
            for(int i = 0; i < s.length(); i++) {
                s = s + (char)(n % 10);
                System.out.println(formNumber(s));
            }
        }
    }
    public static int formNumber(Stack<Character> ss) {
        int ans = 0;
        while(!st.isEmpty()) {
            Character c = st.pop();
            int num = c - '0';
            ans = ans * 10 + num;
        }
        return ans;
    }
}
```