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

/////////////////////////////////////////////////////////////////
//
// The following program takes in a string from the user and tests to see
// if there is a duplicate, if there isn't it then adds the string into a
// vector and waits for the next string to be tested and added. When
// a duplicate is found it displays the entered strings including the
// duplicate.
//
//
// WRITTEN BY:
// ALAIN DADAIAN
//
/////////////////////////////////////////////////////////////////

class Hw06
{
    public static void main(String[] args) throws Exception
    {
        String s1, s2, s3;
        Vector v = new Vector();
        int stop = 0;

        BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

        System.out.println("Written by Alain Dadaian.");

        while (stop != 1)
        {
            System.out.print("Enter a String:  ");
            s1 = br.readLine();

            if (s1.equals(""))
                s1 = " ";

            Enumeration e = v.elements();

            while (e.hasMoreElements())
            {
                s2 = (String)e.nextElement();

                if (s1.equals(s2))
                    stop = 1;
            }

            v.addElement(s1);
        }

        System.out.println("Duplicate encountered!");
        System.out.print("You Entered ");

        Enumeration e = v.elements();

        while (e.hasMoreElements())
        {
            s3 = (String)e.nextElement();

            System.out.print(s3 + " ");
        }

        System.out.println("\n");
    }
} // end of class Hw06

/////////////////////////////////////////////////////////////////

```