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

/////////////////////////////////////////////////////////////////
//
// The following program reads Strings from a file and puts them in a
// vector. It prints the Strings in the same format as it read the
// strings from the file. It also tells you how many Strings were read
// and it has the ability to print a chosen String.
//
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//
/////////////////////////////////////////////////////////////////

class FileStore
{
    private Vector store = new Vector();
    private static int counter;

    //-----
    // This is the FileStore constructor. It takes in no arguments
    // and does nothing.
    //-----
    public FileStore()
    {
    }

    //-----
    // Reads Strings from a file and stores them in a vector.
    //-----
    public void fill(BufferedReader br) throws Exception
    {
        String s = br.readLine();

        while (s != null)
        {
            store.addElement(s);
            counter++;

            s = br.readLine();
        }
    }

    //-----
    // Returns the number of strings read from a file.
    //-----
    public int getNStrings()
    {
        return counter;
    }

    //-----
    // Prints the vector in the same sequence as it was read from a
    // file.
    //-----
    public void printForward(PrintStream ps)
    {
        Enumeration e = store.elements();
        String s;

        while(e.hasMoreElements())
        {
            s = (String)e.nextElement();
            ps.println(s);
        }

        ps.println();
    }

    //-----
    // Returns a chosen string. If there is nothing at that position
    // this method returns "*****" instead.
    //-----
    public String getNthString(int n)
    {
        String s;

        if ((n < 0) || (n > getNStrings()))

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    {
        s = "*****";
    }
    else
        if (getNStrings() == 0)
        {
            s = "*****";
        }
        else
        {
            s = (String)store.elementAt(n);
        }

    return s;
}

//-----
} // end of class FileStore

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

class Hw04
{
    public static void main ( String [] args ) throws Exception
    {
        // Set up input.
        BufferedReader kb = new BufferedReader (
            new InputStreamReader(System.in));
        System.out.print("Enter a filename: ");
        System.out.flush();
        String fileName = kb.readLine();
        BufferedReader br = new BufferedReader (
            new InputStreamReader (
                new FileInputStream (
                    new File ( fileName ))));

        // Test FileStore.
        FileStore fs = new FileStore();
        fs.fill(br);
        System.out.println("\nWe read " + fs.getNStrings() + " Strings.");
        System.out.println("\nIn forward order, the Strings are:");
        fs.printForward(System.out);
        System.out.println();
        System.out.println("String # 0 = " + fs.getNthString(0));
        System.out.println("String # 1 = " + fs.getNthString(1));
        System.out.println("String # 2 = " + fs.getNthString(2));
        System.out.println("String # -2 = " + fs.getNthString(-2));
        System.out.println("String # 999 = " + fs.getNthString(999));
    }
}

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

```