```java
import java.io.File;
import java.io.FileNotFoundException;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        final int LIMIT = 50;
        String[] list = new String[LIMIT];
        int n = 0;
        try {
            Scanner input = new Scanner(new File("input.txt"));
            n = readFile(input, list, LIMIT);
            System.out.println(n);
            printFile(list, n);
            input.close();

        } catch (FileNotFoundException e) {
            e.printStackTrace();
        }

        //This should be in a "checkPassword" method.
        String word;
        do {
            word = getNextWord();
            System.out.printf("\nYou typed \"%s\"\n", word);
            if(contains(word,list,n)){
                System.out.println("I found it!\n");
            }else{
                System.out.printf("\"%s\" was not found\n", word);
            }
        } while (!word.equalsIgnoreCase("STOP"));
    }
    public static String getNextWord(){
        String result;
        System.out.print("Type your password: ");
        Scanner input = new Scanner(System.in);
        result = input.next();
        return result;
    }


    public static int readFile(Scanner fileName,String[] list,
int limit){
        int n = 0;
        while(fileName.hasNext()&& n < limit){
            String word = fileName.next().trim().toLowerCase().
toUpperCase().toUpperCase();//really stupid.
            list[n] = word;
            n++;
        }
        return n;

    }
    public static void printFile(String[] words, int n){
        for(int i=0;i<n;i++){
            System.out.printf("[%d] %s\n",i,words[i]);
        }
    }

    public static boolean contains(String needle, String[]
```

```
haystack, int n){
        boolean found = false;
        int count = 0;
        while(count < n && !found){
            found = haystack[count].equalsIgnoreCase(needle);
            count++;
        }
        return found;
    }
}

```