

homework 8

2020年10月12日 11:35

Hw 8.1

Command line on OSX:

```
% java NumberCounter Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv
% java NumberCounter Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv.gz
% cat Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv | java NumberCounter
```

Command line on Windows:

```
% java NumberCounter Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv
% java NumberCounter Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv.gz
% type Lottery_Pick_10_Winning_Numbers__Beginning_1987.csv | java NumberCounter - from stdin
```

Java从.CSV文件中读取数据和写入

<https://blog.csdn.net/ganzhantoulebi0546/article/details/72954409>

Java DataInputStream类

<https://www.runoob.com/java/java-datainputstream.html>

Class GZIPInputStream

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/util/zip/GZIPInputStream.html>

Class DataInputStream

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/DataInputStream.html>

Class FileInputStream

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/FileInputStream.html>

Class InputStream

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/InputStream.html>

Class BufferedReader - hw 8.2

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/BufferedReader.html>

Class FileReader

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/FileReader.html>

Class InputStreamReader

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/InputStreamReader.html>

Class Reader

<https://docs.oracle.com/en/java/javase/12/docs/api/java.base/java/io/Reader.html>

Source Code: [Src/28/Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv](#)

Design and implement a program which can determine the distribution of the numbers between 1 and 80 in this file. The input can be provided via stdin, gzipped, or as is.

Your program should be called like:

```
% cat Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv | java NumberCounter
% java NumberCounter Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv
% java NumberCounter Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv.gz
```

My output looks like:

```
java NumberCounter Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv
1: 3047 2: 3100 3: 3124
5: 3048 6: 3101 7: 2950
9: 3168 10: 3097 11: 3024
13: 3041 14: 3112 15: 3132
17: 3028 18: 3099 19: 2998
21: 3112 22: 3037 23: 3108
25: 2970 26: 3101 27: 3070
29: 3054 30: 3151 31: 3089
33: 3051 34: 3045 35: 3059
37: 3057 38: 3101 39: 3099
41: 3104 42: 3028 43: 3071
45: 3095 46: 3066 47: 3032
49: 3059 50: 3058 51: 3053
53: 3089 54: 3066 55: 2997
57: 3147 58: 3212 59: 3051
61: 3056 62: 3132 63: 3087
65: 3045 66: 3034 67: 2993
69: 3090 70: 2996 71: 3043
73: 3029 74: 3109 75: 2968
77: 3024 78: 3130 79: 3067
```

Your output does not have to be identical to mine, but similar.

Your output does not have to be identical to mine, but similar.

Your Work:

Requirements:

- You can not pre-process the file.
- The input can be provided via stdin, gzipped, or as is. This is an example how your program should be called:

```
% java NumberCounter Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv
1: 3047 2: 3100 3: 3124
...
% java NumberCounter Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv.gz
1: 3047 2: 3100 3: 3124
...
% cat Lottery_Pick_10_Winning_Numbers_Beginning_1987.csv | java NumberCounter
1: 3047 2: 3100 3: 3124
...
```

- Your program must use one, and only one, try resource statement.
- Your program may use more try statements.
- Your program should compile without warnings.
- You have to name the source code NumberCounter.java

Submission:

Submit your files via myCourses.

Hw 8.3

1. P234 example
2. store something unique in the password file;
3. Unix Box
4. 如果检测到password被修改了, reader不会修改存储在类里面的password, 只是输出空字符串""

Class `ObjectOutputStream`

<https://docs.oracle.com/en/java/javase/14/docs/api/java.base/java/io/ObjectOutputStream.html>

Class ObjectInputStream

<https://docs.oracle.com/en/java/javase/14/docs/api/java.base/java/io/ObjectInputStream.html>

Java基础学习总结——Java对象的序列化和反序列化

<https://www.cnblogs.com/xdp-gacl/p/3777987.html>

如何写一个简单的脚本并配置

<https://www.jianshu.com/p/f145707c6865>

shell脚本的那点事儿--shell的echo认识(二)

https://blog.csdn.net/qq_27339239/article/details/82622889

Shell基础——概述、echo输出命令、第一个脚本、脚本执行

https://blog.csdn.net/weixin_45116657/article/details/94628193

Linux中利用grep命令如何检索文件内容详解

<https://www.ibm51.net/article/127783.htm>

shell脚本的执行与echo用命

<https://www.cnblogs.com/wjunixia/p/7039749.html>

echo命令向一个文件写入内容的方法详解

<http://www.docin.com/p-842755370.html>

Linux下dd命令文件操作详细解释

<https://blog.csdn.net/u012611644/article/details/79214679>

windows bat脚本编写

<https://www.cnblogs.com/micro-chen/p/5694423.html>

通过 WSL在Windows下愉快的玩耍Linux

<https://waylau.blog.csdn.net/article/details/54897586>

关于使用WSL2出现“参考的对象类型不支持尝试的操作”的解决方法。

https://zhuanlan.zhihu.com/p/151392411?from_voters_page=true

Windows 安装和配置 WSL

<https://www.jianshu.com/p/3e627ff45ccb>

浅谈Java中的hashCode方法

<https://www.cnblogs.com/dolphin0520/p/3681042.html>

Java hashCode() 方法

<https://www.runoob.com/java/java-string-hashcode.html>

linux 搜索并替换文件内容

https://blog.csdn.net/weixin_34025151/article/details/93000697

Linux——vi命令详解

<https://blog.csdn.net/cyl101816/article/details/82026678>

WSL 使用指南

https://zhuanlan.zhihu.com/p/36482795?utm_source=wechat_session

Windows Subsystem for Linux Installation Guide for Windows 10

<https://docs.microsoft.com/en-us/windows/wsl/install-win10>

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