## **Programming Exercise 10.8**

## 10.8 Making Excel Spreadsheets

**Purpose**. Write a program that output's an Excel spreadsheet XLS file.

Modify Exercise 7.3's ChangeDue4.java, replacing its console output with XLS file output. Name the new program ExcelXls.java.

Requirements: same as 7.3's Making Change, v.4.0, with these changes

- 1. Output to a text file named **change.xls**, in addition to console output.
- 2. Do *not* include a replay-loop just gather one set of input values, calculate, and send output to the console and to the XLS file.

**Program I/O.** <u>Input:</u> 2 whole numbers from the console keyboard, first for the "cash payment" and then for the amount "tendered". <u>Output:</u> To the console screen, the "change due" and the numbers of each specified denomination to be "paid out", skipping zeros. To the **change.xls** file, a header row for two columns: "denomination" and "total", and a row for each non-zero denomination's total.

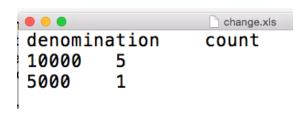
**Supplemental.** Read about XLS file output in www.rdb3.com/java/exercises/xls.supplemental.pdf.

**Example.** Here's what the output should look like:

```
Cash payment amount: 45000
Tendered amount: 100000
Change due: 55000

Change paid out in:
   this many ten thousand dollar bills: 5
   this many five thousand dollar bills: 1
```

...and here's what the **change.xls** file should look like when viewed in a text editor:



...and here's what the **change.xls** file should look like when opened in Excel:

	Α	В
1	denominatio	count
2	10000	5
3	5000	1
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