Chapter 17

Java SE 8 Lambdas and Streams

Invoice Reporting

Description

The purpose of this application is to create an application which is able to do some reporting on invoice data. You will be given an “invoices.dat” data file containing invoice data. The application will read invoice data from a text file and display the data from that file in various different ways.

Watch a demonstration of the application:  
  
<https://youtu.be/O1rrW2yV-3o>

General Requirements

Your application must follow these general requirements

* All classes must be in a package following these rules:
  + The package name is your last name plus the first letter of your first name. For example, if you name is Rita Red, her package is “red.r”
  + Package names are all lowercase letters
* All *class* names must start with an UPPERCASE letter then camel-cased after that.
* All *property* names must start with a lowercase letter then came-cased after that.
* All *method* names must start with a lowercase letter then came-cased after that.
* Output must match the examples. Watch out for spaces and punctuation.

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***NOTE***: If the code does not compile, it’s an automatic 0!

|  |  |
| --- | --- |
| The package name is your last name plus the first letter of your first name. For example, if you name is Rita Red, her package is “red.r” | 5 |
| Print welcome message | 5 |
| Prints main menu | 5 |
| Error checks menu selection | 5 |
| Prints raw data | 5 |
| Prints invoices | 5 |
| Prints invoices by department | 5 |
| Prints invoices by quantity | 5 |
| Prints department summary | 5 |
| Continues if user does not exit | 5 |
| Exits | 5 |
| Print good bye message | 5 |
| **Total:** | **60** |