

CSCD 211

Lab 2

Provided is CSCD211Lab2.java that is an unchangeable Java file. This file resides in the package lab2.cscd211lab2. Your task is to complete the program based on the provided main. And API

Program flow is

- prompt the user for the name of the input file.
- open that file and count the number of records in the file
- create and fill an array of type person for each record that is in the file.
- The array is then sorted by calling the compareTo of Person
- A menu is displayed

File Specifications

Information on each individual will be in the following format (all lines in the file will end with a carriage return):

First name

Last name

Favorite color

Example

bubba

von bigbelly

green

sally sue

sullivan

purple

faith

hillstrom

purple

NOTES

- You must range check all values
- You may assume all letters will be lower case for any input obtained by your program
- You must ensure the parameterized type of Person is passed to compare/compareTo
- You need to capitalize the name when you print out the name
- All parameters will be final and all preconditions will be checked
- A jar file containing the FileUtil and SortUtil methods is provided and must be used.
- You must create an input file that allows you to sufficiently test the specifications of this assignment.
- I have provided the Javadocs from the solution. Please see index.html inside the docs folder.

TO TURN IN

A zip file, containing the folder Lab2-enum:

- All package and Java code
- the input file(s) used to test your program
- a test run named cscd211lab2out.txt – testing all aspects
- We should be able to download the zip and compile your code, and then run your code.

Name your zip, your last name first letter of your first name lab2.zip (Example: steinerslab2.zip)