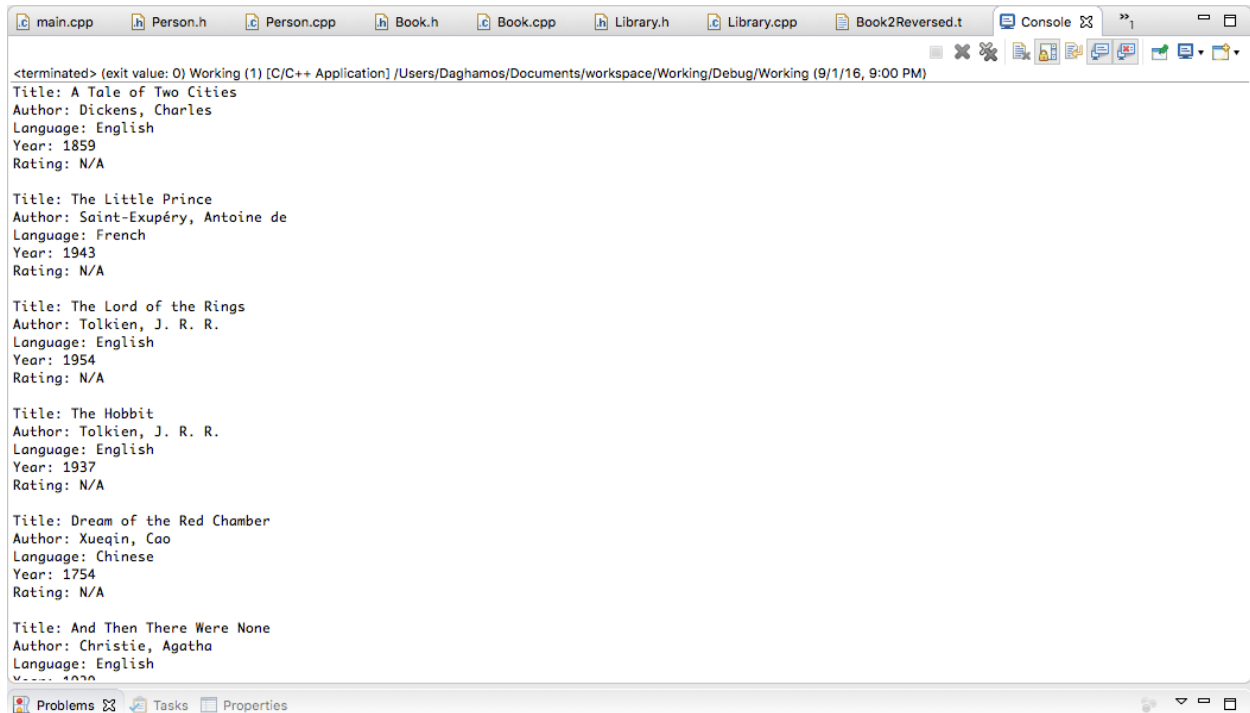


Istvan von Fedak

Data Structures 218

Lab 1



The screenshot shows a C++ application window with a title bar containing several file names: main.cpp, Person.h, Person.cpp, Book.h, Book.cpp, Library.h, Library.cpp, Book2Reversed.t, and Console. The main window displays the output of the program, which is a list of books and their details. The output is as follows:

```
<terminated> (exit value: 0) Working (1) [C/C++ Application] /Users/Daghamos/Documents/workspace/Working/Debug/Working (9/1/16, 9:00 PM)
Title: A Tale of Two Cities
Author: Dickens, Charles
Language: English
Year: 1859
Rating: N/A

Title: The Little Prince
Author: Saint-Exupéry, Antoine de
Language: French
Year: 1943
Rating: N/A

Title: The Lord of the Rings
Author: Tolkien, J. R. R.
Language: English
Year: 1954
Rating: N/A

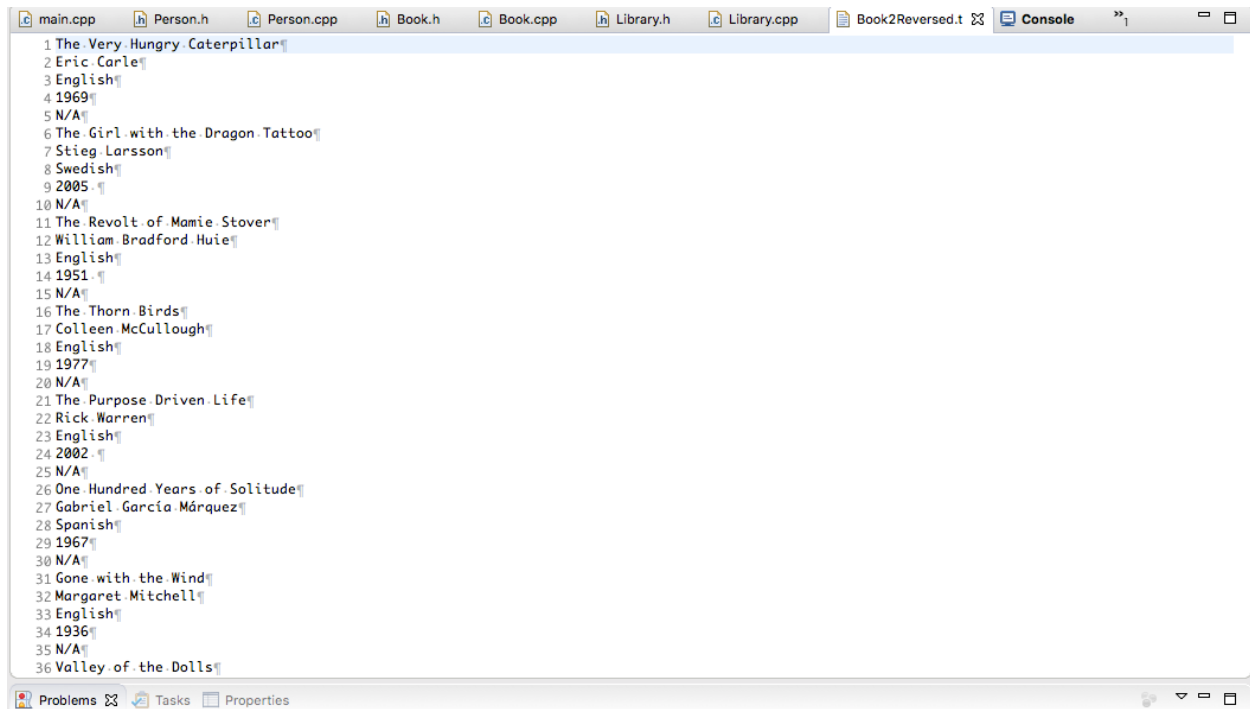
Title: The Hobbit
Author: Tolkien, J. R. R.
Language: English
Year: 1937
Rating: N/A

Title: Dream of the Red Chamber
Author: Xueqin, Cao
Language: Chinese
Year: 1754
Rating: N/A

Title: And Then There Were None
Author: Christie, Agatha
Language: English
Year: 1938
Rating: N/A
```

The bottom of the window shows a status bar with icons for Problems, Tasks, and Properties.

Reversed Book2.txt file:

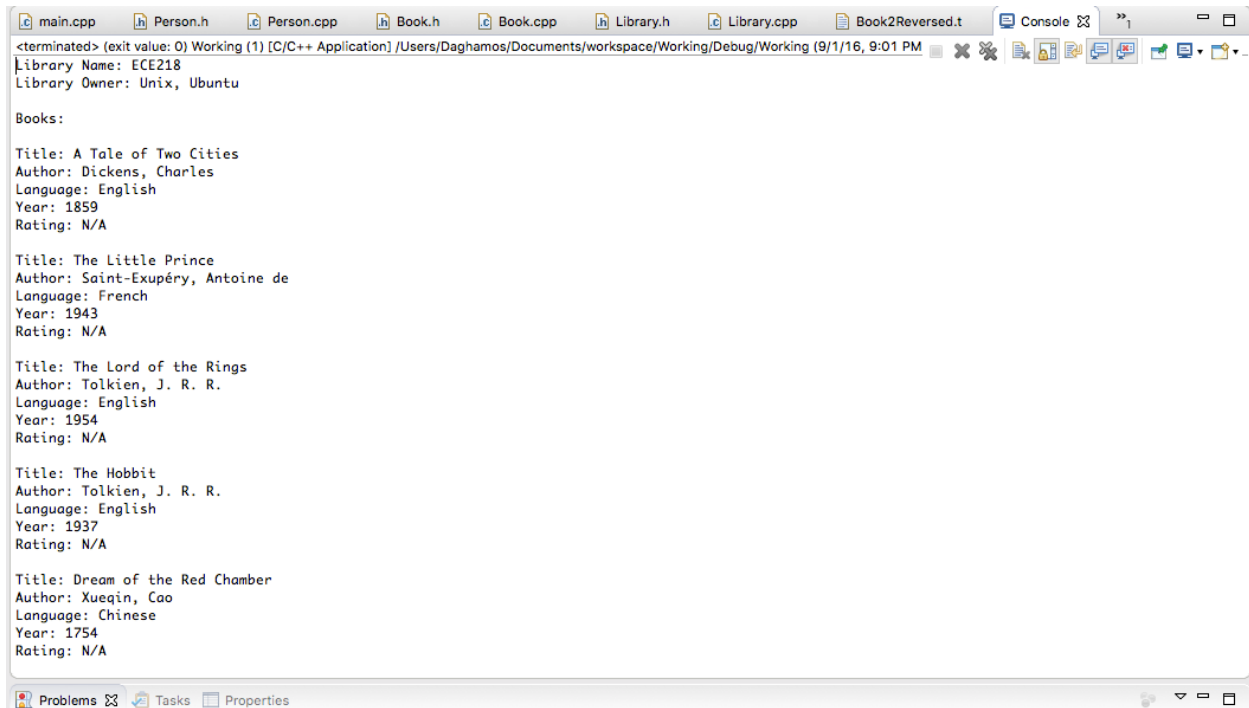


The screenshot shows a C++ application window with a title bar containing several file names: main.cpp, Person.h, Person.cpp, Book.h, Book.cpp, Library.h, Library.cpp, Book2Reversed.t, and Console. The main window displays the output of the program, which is a list of books and their details, reversed. The output is as follows:

```
1 The Very Hungry Caterpillar
2 Eric Carle
3 English
4 1969
5 N/A
6 The Girl with the Dragon Tattoo
7 Stieg Larsson
8 Swedish
9 2005
10 N/A
11 The Revolt of Mamie Stover
12 William Bradford Huie
13 English
14 1951
15 N/A
16 The Thorn Birds
17 Colleen McCullough
18 English
19 1977
20 N/A
21 The Purpose Driven Life
22 Rick Warren
23 English
24 2002
25 N/A
26 One Hundred Years of Solitude
27 Gabriel García Márquez
28 Spanish
29 1967
30 N/A
31 Gone with the Wind
32 Margaret Mitchell
33 English
34 1936
35 N/A
36 Valley of the Dolls
```

The bottom of the window shows a status bar with icons for Problems, Tasks, and Properties.

Printing populated library object:



The screenshot shows a C++ application window with a title bar containing several tabs: main.cpp, Person.h, Person.cpp, Book.h, Book.cpp, Library.h, Library.cpp, Book2Reversed.t, Console, and a search icon. The main window displays the output of a program, which is printed in the Console tab. The output shows the details of a library object, including its name, owner, and a list of books. The books are listed with their titles, authors, languages, years, and ratings. The application is running on a Windows operating system, as indicated by the taskbar at the bottom.

```
<terminated> (exit value: 0) Working (1) [C/C++ Application] /Users/Daghamos/Documents/workspace/Working/Debug/Working (9/1/16, 9:01 PM)
Library Name: ECE218
Library Owner: Unix, Ubuntu

Books:

Title: A Tale of Two Cities
Author: Dickens, Charles
Language: English
Year: 1859
Rating: N/A

Title: The Little Prince
Author: Saint-Exupéry, Antoine de
Language: French
Year: 1943
Rating: N/A

Title: The Lord of the Rings
Author: Tolkien, J. R. R.
Language: English
Year: 1954
Rating: N/A

Title: The Hobbit
Author: Tolkien, J. R. R.
Language: English
Year: 1937
Rating: N/A

Title: Dream of the Red Chamber
Author: Xueqin, Cao
Language: Chinese
Year: 1754
Rating: N/A
```