

## Folio Society Best Sellers List Report

<b>Time to complete</b>	Allow 4-6 hours continuous.
<b>Program Download</b>	<a href="#">BestSellers.Cbl</a> is a model answer. Don't look at this until you have made your own attempt at the program.
<b>Example Output</b>	<a href="#">BSList.Rpt</a> is the report.
<b>Example Input</b>	<a href="#">BookSales.Dat</a> is the sequential Book Sales File  <a href="#">BookMF.Dat</a> is the sequential Book Master File
<b>Exam Practice</b>	<p>If you want to try out the exam under the same conditions as our students you can write the program in a printed version of <a href="#">FBSOutline.Doc</a>. This is an MS-Word file containing the program outline, the data files and the report produced by running the program.</p> <p>Don't forget to have the COBOL Metalanguage elements available for reference.</p> <p>The time allotted for the exam was 2.5 hours.</p>
<b>Major Constructs</b>	Sequential Files, Print Files, SORT with Input Procedure and Output Procedure, Tables

### Introduction

The Folio Society is a Book ♦ Club that sells fine books to customers all over the world. ♦ Each time a book is sold the Book-Number, the Number-of-Copies and a one character field indicating the Sale-Status (Normal Sale, Free Gift, Reduced Price (N,F,R)) is written to a Book-Sales-File. ♦

A program is required to print a list of the ten best selling books (by copies sold) in the Book Club from the Book-Sales-File. ♦ Only Normal Sale books should be considered.

### Files

#### Book Master File

The Book Master File is a sequential file sequenced on ascending Book-Number. ♦ The records have the following description;

FIELD	TYPE	LENGTH	VALUE
Book-Number	9	5	00001-99999
Book-Title	X	25	-
Author-Name	X	25	-

#### Book Sales File

The Book Sales File is not in any particular sequence but we are guaranteed that a Book-Number that occurs in the file will have a corresponding entry in the Book Master File.

FIELD	TYPE	LENGTH	VALUE
Book-Number	9	5	00001-99999
Number-Of-Copies	9	2	1-99
Sale-Status	X	1	N,F,R

Processing

Sort the Book Sales file throwing away unwanted records (F,R). Accumulate the sales for a book. If the book is in the top ten get the Book-Title and Author-Name from the Book Master File. When the Sorted Book Sales File has been processed, print out the top ten best sellers.

Print Specification

- See print specification and example report.
- The Sales field should be zero suppressed and have commas inserted as appropriate.

Folio Society Best Sellers List				
Rank	Book No.	Book Title	Author Name	Sales
1	1	THE GREAT GATSBY	F. SCOTT FITZGERALD	10000
2	2	THE LORD OF THE RINGS	J. R. R. TOLKIEN	8000
3	3	THE HOBBIT	J. R. R. TOLKIEN	7000
4	4	THE WIND IN THE WILLows	K. J. LAURENCE	6000
5	5	THE CHRONICLES OF NARNIA	C. S. LEWIS	5000
6	6	THE PRINCIPLES OF MATHEMATICS	ISAC NEWTON	4000
7	7	THE HISTORY OF ENGLAND	HENRY BRITTON	3000
8	8	THE ART OF WAR	SUN TZU	2000
9	9	THE BOOK OF MORMON	JOSEPH SMITH	1000
10	10	THE BIBLE	VARIOUS AUTHORS	500
END OF REPORT				

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