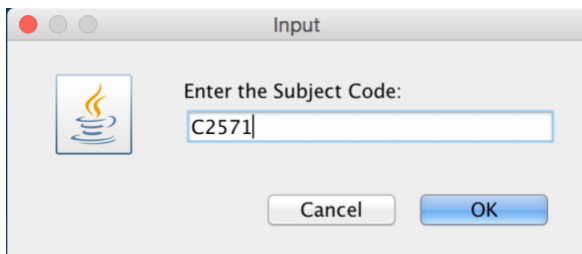
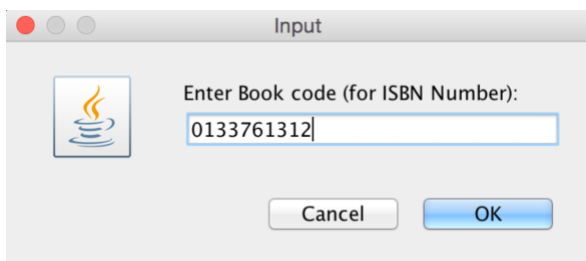


Using **Java Swing**, write a Java Application program that accepts an input a book code, the book's single copy cost, the current number of volumes on hand, the prospective class enrollment, and data that indicates whether the book is required or recommended, and has or has not been used in the past. Each book is identified by one-letter subject code followed by an integer book code (example: C2571). As output, show all the input information, together with the number of books that must be ordered, the total cost of all books ordered, and the expected profit – assume the store pays 80% of the list price (See example below).

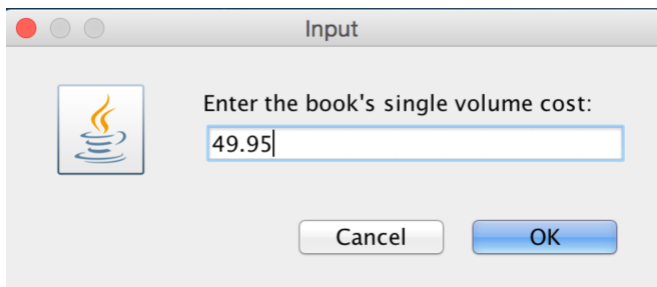
Note: Make up the program input data yourself whether the book is required or not, number of books on hand, student enrollment, etc.....



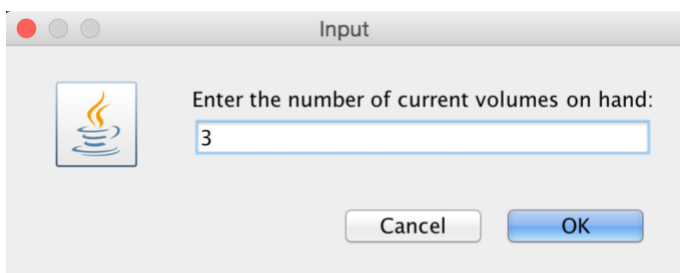
A Java Swing dialog box titled "Input" with a Java logo icon. It contains a text label "Enter the Subject Code:" followed by a text input field containing "C2571". At the bottom are "Cancel" and "OK" buttons.



A Java Swing dialog box titled "Input" with a Java logo icon. It contains a text label "Enter Book code (for ISBN Number):" followed by a text input field containing "0133761312". At the bottom are "Cancel" and "OK" buttons.




A Java Swing dialog box titled "Input" with a Java logo icon. It contains a text label "Enter the book's single volume cost:" followed by a text input field containing "49.95". At the bottom are "Cancel" and "OK" buttons.



A Java Swing dialog box titled "Input" with a Java logo icon. It contains a text label "Enter the number of current volumes on hand:" followed by a text input field containing "3". At the bottom are "Cancel" and "OK" buttons.


Input

 Enter the class enrollment:

27

Cancel OK


Input

 Is the book Required or Recommended. Enter <Required or Recommended>

Required

Cancel OK

Input

 Has this book been used in the past? Enter <Yes or No>

Yes

Cancel OK

Results

ISBN Number: 0133761312
Single Volume Cost: \$49.95
Number of Volumes on Hand: 3
Class Enrollment: 27
Required/Recommended: Required
Used in Past: Yes

Books Needed: 24
Total Cost of Books Ordered: \$1198.80
Profit: \$239.76

OK

Please submit the following two items to your instructor.

1. The program source code (the .java file)
2. The program output

Points will be given based on the following requirements:

1. The assignment meets the program prerequisites as specified in the question. Your program executes without errors, runs accordingly, and produces correct output.
2. Your program includes overall documentation; i.e. explain what the program is attempting to do; function documentations; complex code documentation. Your program follows the standard practice programming style: i.e. code indentation, spacing between block of codes, functions, and uses meaningful variable names. Your program applied the best possible programming logic approach: i.e. the logic flow of your program is rational and coherent.
3. Did you submit the following required files; your source code program file (.java file), and your program output file? Was the program output presented/displayed in readable and meaningful fashions.