CSE231 Advanced Computer Programming (2)

Lab 04

1) Assume an online Bookstore that sells two types of Books: Text Books and audio Books. For a Text book, we need to keep track of the ID (int) ,title(String) , release Date (java.time.LocalDate),price(double), and number of pages(int). For an Audio Book, we need to keep track of the ID (int) ,title (String), release Date (java.time.LocalDate), price (double), and the length in minutes (double). The ID is just a serial number initialized at construction time. This means that the first Book object constructed should have id= 1 and the second one id= 2, and so on.
Define the appropriate classes. All the classes should provide a print method and accessor methods for all their fields.
Write a driver program that asks the user for the number of Books he wants to provide, creates an array of Books of the appropriate size, and then reads the data of every Book from the user. When the user finishes the program should list all the entered Books.

2) Modify the online Bookstore program in the above problem.
All classes should override the toString and Equals (neglect price in your comparison) methods appropriately.
Then update the driver program that asks the user for the number of Books he wants to provide, creates an array of Books of the appropriate size, and then reads the data of every Book from the user. When the user finishes the program should list all the entered Books [use polymorphism here] **hint:** You will have to modify the print method(s) in all classes.