

Declare at least 2 instance variables for each of the classes below. Create an inheritance or association relationship for some of them.

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```
1 //CODE BY AKSHAT GARG
2 import java.util.*;
3 class ItemForSale extends Store
4 {
5     private int price;
6     private int stock;
7 }
8
9 class Movie extends ItemForSale
10 {
11     private String genre;
12     private double rating;
13 }
14
15 class Book extends ItemForSale
16 {
17     private String title;
18     private String genre;
19 }
20
21 class Author extends Book
22 {
23     private String name;
24     private int numberOfBooks;
25 }
26
27 public class Store
28 {
29     ArrayList<Movie> movies = new ArrayList<>();
30     public static void main(String[] args)
31     {
32         Store s = new Store();
33         Book b = new Book();
34         System.out.println(b instanceof ItemForSale);
35     }
36 }
37
38
```

true

Result	Expected	Actual	Notes
Passed	2+ Private	2 Private	Checking Instance Variables - ItemForSale
Passed	true	true	Running main
Passed	2	2	Testing code for extends ItemForSale
Passed	2+ Private	2 Private	Checking Instance Variables - Author
Passed	2+ Private	2 Private	Checking Instance Variables - Book
Passed	2+ Private	2 Private	Checking Instance Variables - Movie

You got 6 out of 6 correct. 100.00%

Activity: 9.1.6.1 ActiveCode (challenge-9-1-online-store)

Had an issue with the import of the arraylist class, but overall it was pretty simple making the instance variables and figuring out the relationships with IS-A and HAS-A in mind. I was wondering if you had a class for characters, how could it extend both movie and book, two different parents?