**Day 13 - Abstract Classes**

<https://www.hackerrank.com/challenges/30-abstract-classes/problem>

**Objective**  
Today, we will extend what we learned yesterday about [Inheritance](https://docs.oracle.com/javase/tutorial/java/IandI/subclasses.html) to [Abstract Classes](https://docs.oracle.com/javase/tutorial/java/IandI/abstract.html). Because this is a very specific object oriented concept, submissions are limited to the few languages that use this construct. Check out the [Tutorial](https://www.hackerrank.com/challenges/30-abstract-classes/tutorial) tab for learning materials and an instructional video.

**Task**  
Given a Book class and a Solution class, write a MyBook class that does the following:

* Inherits from Book
* Has a parameterized constructor taking these 3 parameters:

1. string title
2. string author
3. int price

* Implements the Book class' abstract display() method so it prints these 3 lines:
  1. Title:, a space, and then the current instance's title.
  2. Author:, a space, and then the current instance's author.
  3. Price:, a space, and then the current instance's price.

**Note:** Because these classes are being written in the same file, you must not use an access modifier (e.g.: public) when declaring MyBook or your code will not execute.

**Input Format**

You are not responsible for reading any input from stdin. The Solution class creates a Book object and calls the MyBook class constructor (passing it the necessary arguments). It then calls the display method on the Book object.

**Output Format**

The void display() method should print and label the respective title, author, and price of the MyBook object's instance (with each value on its own line) like so:

Title: $title

Author: $author

Price: $price

**Note:** The $ is prepended to variable names to indicate they are placeholders for variables.

**Sample Input**

The following input from stdin is handled by the locked stub code in your editor:

The Alchemist

Paulo Coelho

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**Sample Output**

The following output is printed by your display() method:

Title: The Alchemist

Author: Paulo Coelho

Price: 248