

Day 13: Abstract Classes

Objective

Today, we will extend what we learned yesterday about [Inheritance](#) to [Abstract Classes](#). Because this is a very specific object oriented concept, submissions are limited to the few languages that use this construct. Check out the [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  
248
```

Sample Output

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

```
Title: The Alchemist  
Author: Paulo Coelho  
Price: 248
```