

Solution Review: Implement an Abstract Method in a Base Class

This review provides a detailed analysis to solve the 'Implement an Abstract Method in a Base Class' challenge.

WE'LL COVER THE FOLLOWING ^

- Solution
 - Explanation

Solution

```
// Abstract Book Class
abstract class Book {

    // Private Fields
    private string _name;
    private string _author;
    private string _price;

    protected string Name{
        get {return this._name;}
    }
    protected string Author{
        get {return this._author;}
    }
    protected string Price{
        get {return this._price;}
    }

    // Parameterized Constructor
    public Book(string name, string author, string price) {
        this._name = name;
        this._author = author;
        this._price = price;
    }

    // Abstract Method
    public abstract string GetDetails();
}

// Class MyBook extending Book Class
class MyBook : Book {
```



```
// Parameterized Constructor
public MyBook(string name, string author, string price)
    : base(name, author, price)
{ }

// Overrideing the GetDetails Abstract Method of the Base Class
public override string GetDetails() {
    return Name + ", " + Author + ", " + Price;
}

}

class Demo {

    public static void Main(string[] args) {
        Book myBook = new MyBook("Harry Potter", "J.k. Rowling", "100");
        Console.WriteLine(myBook.GetDetails());

    }

}
```



Explanation

- **Line 32:** Extended the `MyBook` class from the `Book` class.
- **Line 36:** Called the base class constructor.
- **Line 40:** The abstract method `GetDetails()` is overridden.
- **Line 41:** Implemented the overridden abstract method `GetDetails()` which returns the concatenated details in the form of a string.