Solution Review: Implement the Rectangle Class

This review provides a detailed analysis to solve the 'Implement the Rectangle Class using the Concepts of Encapsulation' challenge.

> **WE'LL COVER THE FOLLOWING** ∧
>
> - Solution
>   - Explanation

Solution

```csharp
// Class Rectangle
class Rectangle {

  // Private Fields
  private int _length;
  private int _width;


  // Parameterized Constructor
  public Rectangle(int length, int width) {
    this._length = length;
    this._width = width;
  }

  // Method to calculate Area of a rectangle
  public int GetArea() {
    return this._length * this._width;
  }

}

class Program {
  public static void Main(){
    Rectangle obj = new Rectangle(2,2);
    System.Console.WriteLine(obj.GetArea());
  }
}
```

Explanation

The solution is straightforward.

- **Line 5-6:** Private fields are declared i.e. `length` and `width`.
- **Line 10-13:** Parameterized Constructor is implemented, and all the fields are set to respective parameters.
- **Line 17:** Provided the implementation of `GetArea()` method.
- **Line 24-25:** An object of `Rectangle` class is created and the `GetArea()` method is called.