**8.1- Exercise pen**

**Exercise Task**

1. **Fix the Compilation Errors**: Correct the syntax and access modifier issues in the Pen class and CenteralClass.
2. **Implement Constructor**: Add a constructor to the Pen class to initialize the manufacturer, color, and type fields.
3. **Correct the Getters**: Ensure that the getManufacturer, getColor, and getType methods return the appropriate values.
4. **Enhance describePen Method**: Make the describePen method more readable by using this keyword for clarity.

**Hints**

* **Access Modifiers**: Ensure fields are accessible where needed (use private for encapsulation and public for necessary methods).
* **Data Types**: Java strings should be String (uppercase S).
* **Getters Implementation**: Make sure that getColor() and getType() return color and type, not manufacturer.
* **Constructor**: Create a constructor to initialize object fields directly during instantiation.

**Explanation**

This exercise will help you understand the importance of data encapsulation and proper syntax in Java. It ensures that fields are private and accessible only through public methods, adhering to object-oriented principles. You'll also practice how constructors simplify object initialization.

Try modifying the code and running it again to see how your changes affect the output!