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**Exercise 5: Implementing the Decorator Pattern**

**Scenario:**

You are developing a notification system where notifications can be sent via multiple channels (e.g., Email, SMS). Use the Decorator Pattern to add functionalities dynamically.

**Steps:**

1. Create a New Java Project:

Create a new Java project named DecoratorPatternExample.

2. Define Component Interface:

Create an interface Notifier with a method send().

3. Implement Concrete Component:

Create a class EmailNotifier that implements Notifier.

4. Implement Decorator Classes:

Create abstract decorator class NotifierDecorator that implements Notifier and holds a reference to a Notifier object.

Create concrete decorator classes like SMSNotifierDecorator, SlackNotifierDecorator that extend NotifierDecorator.

5. Test the Decorator Implementation:

Create a test class to demonstrate sending notifications via multiple channels using decorators.  
**output:**

