**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.