**Java & DSA - ASSIGNMENT - DAY 19**

Please practice the following activities

1. Implement Open Close Principle for the relationship between given 2 classes
   1. Meal
   2. MealService
   3. ItalianMealService
2. Implement Dependency Inversion Principle for the given below classes and showcase how coupling can be reduced.
   1. Customer
   2. Address

Here Customer and Address represents 1 to many relationships.

1. Demonstrate Interface segregation principle for the Interface given below.

interface PaymentCallback{

void onPaymentSucess(String message);

void onPaymentFailed(String message);

void sendInvoiceToEmail(String email);

void onInvoiceSent();

}

1. Consider a class BookStore which must deal with Book class. You need to assign a responsibility by creating a suitable method getAllBooks in BookStore class to demonstrate the Expert GRASP Principle.
2. Showcase how GRASP Principle indirection can be used in eCommerce Store when a User places an Order.