Has-a in java   by Kunal Sir

Assignment 1

We create four classes—Product, Cart, Customer, and Order—where each class contains an object of another to show a "has-a" relationship.
Product has a name, price, and brand.
Cart has a Product object, quantity, and total amount.
Customer has a name, email, address, and a Cart object.
Order has an order ID, order date, payment method, and a Customer object.
All classes use default constructors without methods, and in the Test class we create an Order object and print all values using object references.

Assignment 2

We create four classes—Room, Guest, Reception, and Hotel—where each class contains an object of another to show a "has-a" relationship.
Room has a type, room number, and price per night.
Guest has a name, age, contact number, and a Room object.
Reception has a shift time, receptionist name, and a Guest object.
Hotel has a name, location, rating, and a Reception object.
All classes use default constructors without methods, and in the Test class we create a Hotel object and print all values using object references.

Assignment 3

We create four classes—Car, Service, Customer, and Booking—where each class contains an object of another to show a "has-a" relationship.
Car has a model name, registration number, and color.
Service has a type, price, duration, and a Car object.
Customer has a name, phone number, city, and a Service object.
Booking has a booking ID, booking date, time slot, and a Customer object.
All classes use default constructors without methods, and in the Test class we create a Booking object and print all values using object references.

Assignment 4

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We create four classes—Item, Inventory, Seller, and Marketplace—where each class contains an object of another to show a "has-a" relationship.

Item has a name, price, and stock count.

Inventory has an Item object, warehouse location, and last updated date.

Seller has a name, rating, seller ID, and an Inventory object.

Marketplace has a platform name, country, website URL, and a Seller object.

All classes use default constructors without methods, and in the Test class we create a Marketplace object and print all values using object references.