Package customerms;

public class Product {

// Private member variables to store product attributes

private int id;

private String name;

private double price;

private int quantity;

// Constructor to initialize product attributes

public Product(int id, String name, double price, int quantity) {

this.id = id;

this.name = name;

this.price = price;

this.quantity = quantity;

}

// Getter for id

public int getId() {

return id;

}

// Setter for id

public void setId(int id) {

this.id = id;

}

// Getter for name

public String getName() {

return name;

}

// Setter for name

public void setName(String name) {

this.name = name;

}

// Getter for price

public double getPrice() {

return price;

}

// Setter for price

public void setPrice(double price) {

this.price = price;

}

// Getter for quantity

public int getQuantity() {

return quantity;

}

// Setter for quantity

public void setQuantity(int quantity) {

this.quantity = quantity;

}

// Method to display product details

public void displayProductDetails() {

System.out.println("Product ID: " + id);

System.out.println("Product Name: " + name);

System.out.println("Product Price: $" + price);

System.out.println("Product Quantity: " + quantity);

}

// Main method to test the Product class

public static void main(String[] args) {

// Create a new product instance

Product product = new Product(1, "Laptop", 999.99, 10);

// Display the product details

product.displayProductDetails();

// Modify some product attributes

product.setPrice(899.99);

product.setQuantity(8);

// Display the updated product details

System.out.println("\nUpdated Product Details:");

product.displayProductDetails();

}

}