import java.util.ArrayList;

import java.util.Scanner;

class Product {

int id;

String name;

double price;

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

this.id = id;

this.name = name;

this.price = price;

}

@Override

public String toString() {

return "ID: " + id + ", Name: " + name + ", Price: " + price;

}

}

public class SellerDashboard {

private static ArrayList<Product> products = new ArrayList<>();

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("\n--- Seller Dashboard ---");

System.out.println("1. View Products");

System.out.println("2. Add Product");

System.out.println("3. Delete Product");

System.out.println("4. Exit");

System.out.print("Choose an option: ");

int choice = scanner.nextInt();

switch (choice) {

case 1:

viewProducts();

break;

case 2:

addProduct(scanner);

break;

case 3:

deleteProduct(scanner);

break;

case 4:

System.out.println("Exiting...");

return;

default:

System.out.println("Invalid option. Try again.");

}

}

}

private static void viewProducts() {

if (products.isEmpty()) {

System.out.println("No products available.");

} else {

System.out.println("\n--- Product List ---");

for (Product product : products) {

System.out.println(product);

}

}

}

private static void addProduct(Scanner scanner) {

System.out.print("Enter Product ID: ");

int id = scanner.nextInt();

scanner.nextLine(); // Consume newline

System.out.print("Enter Product Name: ");

String name = scanner.nextLine();

System.out.print("Enter Product Price: ");

double price = scanner.nextDouble();

products.add(new Product(id, name, price));

System.out.println("Product added successfully!");

}

private static void deleteProduct(Scanner scanner) {

System.out.print("Enter Product ID to delete: ");

int id = scanner.nextInt();

boolean removed = products.removeIf(product -> product.id == id);

if (removed) {

System.out.println("Product deleted successfully!");

} else {

System.out.println("Product not found.");

}

}

}