import java.util.\*;  
  
class Product {  
 private String name;  
 private String category;  
 private double price;  
  
 public Product(String name, String category, double price) {  
 this.name = name.toLowerCase();  
 this.category = category.toLowerCase();  
 this.price = price;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public String getCategory() {  
 return category;  
 }  
  
 public double getPrice() {  
 return price;  
 }  
  
 public String toString() {  
 return "Name: " + name + ", Category: " + category + ", Price: ₹" + price;  
 }  
}  
  
public class DN {  
 private static List<Product> productList = new ArrayList<>();  
  
 public static void main(String[] args) {  
 populateProducts();  
  
 Scanner scanner = new Scanner(System.in);  
 System.out.println("Welcome to E-commerce Search Platform!");  
  
 while (true) {  
 System.out.print("\nEnter search keyword (or type 'exit' to quit): ");  
 String keyword = scanner.nextLine().toLowerCase();  
  
 if (keyword.equals("exit")) {  
 System.out.println("Thank you for using the platform!");  
 break;  
 }  
  
 List<Product> results = searchProducts(keyword);  
 if (results.isEmpty()) {  
 System.out.println("No matching products found.");  
 } else {  
 System.out.println("Search Results:");  
 for (Product p : results) {  
 System.out.println(p);  
 }  
 }  
 }  
  
 scanner.close();  
 }  
 private static void populateProducts() {  
 productList.add(new Product("iPhone", "Electronics", 69999));  
 productList.add(new Product("Honor", "Electronics", 64999));  
 productList.add(new Product("Skechers Sneakers", "Footwear", 8999));  
 productList.add(new Product("Wooden Table", "Furniture", 12999));  
 productList.add(new Product("Headphones", "Electronics", 1999));  
 productList.add(new Product("Adidas Shoes", "Footwear", 5999));  
 productList.add(new Product("Chair", "Furniture", 4999));  
 }  
 private static List<Product> searchProducts(String keyword) {  
 List<Product> result = new ArrayList<>();  
  
 for (Product product : productList) {  
 if (product.getName().contains(keyword) || product.getCategory().contains(keyword)) {  
 result.add(product);  
 }  
 }  
 return result;  
 }  
}