Ecommerce Searching

Code:

**package** cognizant;

**import** java.util.Scanner;

**public** **class** SimpleECommerceSearch {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

String[] names = {

"Neutrogena Ultra Sheer",

"Lotus Herbals Safe Sun",

"Biotique Bio Sandalwood",

"Nivea Sun Protect & Moisture",

"Lakme Sun Expert SPF 50"

};

String[] categories = {

"Only Face",

"Face and Body",

"Only Face",

"Face and Body",

"Only Face"

};

**double**[] prices = {

350, 299, 199, 399, 450

};

System.***out***.println("Search sunscreen products by:");

System.***out***.println("1. Name keyword");

System.***out***.println("2. Category");

System.***out***.println("3. Price range");

System.***out***.print("Enter your choice: ");

**int** choice = sc.nextInt();

sc.nextLine();

**boolean** found = **false**;

**if** (choice == 1) {

System.***out***.print("Enter keyword to search in product names: ");

String keyword = sc.nextLine().toLowerCase();

**for** (**int** i = 0; i < names.length; i++) {

**if** (names[i].toLowerCase().contains(keyword)) {

*printProduct*(names[i], categories[i], prices[i]);

found = **true**;

}

}

} **else** **if** (choice == 2) {

System.***out***.print("Enter category to search (Only Face/Face and Body): ");

String categoryInput = sc.nextLine().toLowerCase();

**for** (**int** i = 0; i < categories.length; i++) {

**if** (categories[i].toLowerCase().equals(categoryInput)) {

*printProduct*(names[i], categories[i], prices[i]);

found = **true**;

}

}

} **else** **if** (choice == 3) {

System.***out***.print("Enter minimum price: ");

**double** minPrice = sc.nextDouble();

System.***out***.print("Enter maximum price: ");

**double** maxPrice = sc.nextDouble();

**for** (**int** i = 0; i < prices.length; i++) {

**if** (prices[i] >= minPrice && prices[i] <= maxPrice) {

*printProduct*(names[i], categories[i], prices[i]);

found = **true**;

}

}

} **else** {

System.***out***.println("Invalid choice.");

}

**if** (!found) {

System.***out***.println("No matching products found.");

}

sc.close();

}

**public** **static** **void** printProduct(String name, String category, **double** price) {

System.***out***.println(name + " | " + category + " | ₹" + price);

}

}

Output:







