**Exercise 2: E-commerce Platform Search Function**

**CODE :**

using System;

using System.Collections.Generic;

namespace ECommerceSearch

{

class Program

{

// Method to search products

static List<string> SearchProducts(List<string> products, string keyword)

{

List<string> result = new List<string>();

foreach (var product in products)

{

if (product.ToLower().Contains(keyword.ToLower()))

{

result.Add(product);

}

}

return result;

}

static void Main(string[] args)

{

// Sample product list

List<string> products = new List<string>

{

"Laptop", "Smartphone", "Smartwatch", "Charger", "Headphones", "Book", "Notebook", "Tablet"

};

Console.Write("Enter search keyword: ");

string keyword = Console.ReadLine();

List<string> matchedProducts = SearchProducts(products, keyword);

Console.WriteLine("\nMatching Products:");

if (matchedProducts.Count == 0)

{

Console.WriteLine("No products found.");

}

else

{

foreach (var item in matchedProducts)

{

Console.WriteLine(item);

}

}

}

}

}

**OUTPUT**

