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

Code (Input) :

import java.util.\*;

class Product {

String name;

Product(String name) {

this.name = name.toLowerCase();

}

boolean matches(String keyword) {

return name.contains(keyword.toLowerCase());

}

public String toString() {

return name;

}

}

public class Main {

public static void main(String[] args) {

List<Product> products = Arrays.asList(

new Product("iPhone"),

new Product("Samsung TV"),

new Product("Nike Shoes"),

new Product("MacBook"),

new Product("Dell Laptop")

);

Scanner scanner = new Scanner(System.in);

System.out.print("Search for a product: ");

String keyword = scanner.nextLine();

System.out.println("Search results:");

for (Product p : products) {

if (p.matches(keyword)) {

System.out.println(p);

}

}

}

}

Output :

A screenshot of a computer program

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