SECTION 3 PRACTICE

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The JOptionPane class from the javax.swing package is used to create simple

dialogs for user interaction in Java. In your JavaLibsPractice class, you've started

by prompting the user to enter their name. Here’s a complete example

demonstrating how to use JOptionPane to interact with the user, including

displaying a message box and handling user input.

import javax.swing.JOptionPane;

public class JavaLibsPractice {

public static void main(String[] args) {

// Prompt the user to enter their name

String name = JOptionPane.showInputDialog("Enter your name:");

// If the user does not enter a name, handle it gracefully

if (name == null || name.isEmpty()) {

name = "Guest";

}

// Display a personalized greeting message

JOptionPane.showMessageDialog(null, "Hello, " + name + "!");

// Optional: Show the user's name in a confirmation dialog

int response = JOptionPane.showConfirmDialog(null, "Is your name " + name

+ "?", "Name Confirmation", JOptionPane.YES\_NO\_OPTION);

if (response == JOptionPane.YES\_OPTION) {

JOptionPane.showMessageDialog(null, "Great! Have a wonderful day, " +

name + "!");

} else {

JOptionPane.showMessageDialog(null, "Oops! Please restart the

application and try again.");

}

}

}

import java.util.Scanner;

public class JavaLibsPractice {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter their name

System.out.print("Enter your name: ");

String name = scanner.nextLine();

// If the user does not enter a name, handle it gracefully

if (name == null || name.trim().isEmpty()) {

name = "Guest";

}

// Display a personalized greeting message

System.out.println("Hello, " + name + "!");

// Optional: Show the user's name in a confirmation dialog

System.out.print("Is your name " + name + "? (yes/no): ");

String response = scanner.nextLine();

if (response.equalsIgnoreCase("yes")) {

System.out.println("Great! Have a wonderful day, " + name + "!");

} else {

System.out.println("Oops! Please restart the application and try again.");

}

scanner.close();

}

}

