1. Simple Java program to take input from the user:

java

import java.util.Scanner;

public class InputExample {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a string: ");

String userInput = scanner.nextLine();

System.out.println("You entered: " + userInput);

scanner.close();

}

}

2. Concatenating two strings in Java:

java

String str1 = "Hello, ";

String str2 = "World!";

String result = str1 + str2;

Example:

public class StringConcatenation {

public static void main(String[] args) {

String str1 = "Hello, ";

String str2 = "World!";

String result = str1 + str2; // Concatenate two strings

System.out.println(result); // Output: Hello, World!

}

}

3. Finding the length of a string in Java:

To find the length of a string, you can use the length() method:

java

String str = "Hello, World!";

int length = str.length();

Example:

public class StringLength {

public static void main(String[] args) {

String str = "Hello, World!";

int length = str.length(); // Get the length of the string

System.out.println("Length of the string: " + length); // Output: Length of the string: 13

}

}

4. Comparing two strings in Java:

To compare two strings, you can use the equals() method:

java

String str1 = "Hello";

String str2 = "Hello";

boolean areEqual = str1.equals(str2);

Example :

public class StringComparison {

public static void main(String[] args) {

String str1 = "Hello";

String str2 = "Hello";

boolean areEqual = str1.equals(str2); // Compare two strings for equality

System.out.println("Strings are equal: " + areEqual); // Output: Strings are equal: true

}

}

5. Finding the length of the string "refrigerator":

java

public class FindStringLength {

public static void main(String[] args) {

String word = "refrigerator";

int length = word.length();

System.out.println("Length of the string: " + length); // Output: Length of the string: 12

}

}

6. Checking if the letter 'e' is present in the word 'Umbrella':

java

public class CheckLetterPresence {

public static void main(String[] args) {

String word = "Umbrella";

boolean containsE = word.contains("e");

System.out.println("Letter 'e' is present: " + containsE); // Output: Letter 'e' is present: true

}

}

7. Deleting all consonants from the string "Hello, have a good day":

java

public class RemoveConsonants {

public static void main(String[] args) {

String input = "Hello, have a good day";

String result = input.replaceAll("[^aeiouAEIOU\\s,]", ""); // Remove consonants

System.out.println("Result: " + result); // Output: Result: eo, ae a oo a

}

}