

1. Write a Simple String Program to Take Input from User:

```
import java.util.Scanner;

public class InputStringExample {

    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. How Do You Concatenate Two Strings in Java? Give an Example:

You can concatenate two strings in Java using the + operator or the concat() method.

Example using + operator:

```
public class StringConcatenationExample {

    public static void main(String[] args) {

        String str1 = "Hello";

        String str2 = "World";

        String result = str1 + " " + str2;

        System.out.println("Concatenated String: " + result);

    }

}
```

Example using concat() method:

```
public class StringConcatenationExample {

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

```
String str1 = "Hello";  
String str2 = "World";  
String result = str1.concat(" ").concat(str2);  
System.out.println("Concatenated String: " + result);  
}  
}
```

3. How Do You Find the Length of a String in Java? Explain with an Example:

You can find the length of a string using the `length()` method of the `String` class.

Example:

```
public class StringLengthExample {  
    public static void main(String[] args) {  
        String str = "Hello, World!";  
        int length = str.length();  
        System.out.println("Length of the string: " + length);  
    }  
}
```

4. How Do You Compare Two Strings in Java? Give an Example:

You can compare two strings in Java using the `equals()` method or `compareTo()` method.

Example using `equals()` method:

```
public class StringComparisonExample {  
    public static void main(String[] args) {  
        String str1 = "Hello";  
        String str2 = "Hello";  
        String str3 = "World";
```

```
        boolean isEqual = str1.equals(str2);  
        System.out.println("str1 equals str2: " + isEqual);  
        boolean isNotEqual = str1.equals(str3);  
        System.out.println("str1 equals str3: " + isNotEqual);  
    }  
}
```

Example using compareTo() method:

```
public class StringComparisonExample {  
    public static void main(String[] args) {  
        String str1 = "Hello";  
        String str2 = "Hello";  
        String str3 = "World";  
        int result1 = str1.compareTo(str2);  
        System.out.println("str1 compareTo str2: " + result1);  
        int result2 = str1.compareTo(str3);  
        System.out.println("str1 compareTo str3: " + result2);  
    }  
}
```

5. Write a Program to Find the Length of the String "refrigerator":

```
public class StringLengthOfRefrigerator {  
    public static void main(String[] args) {  
        String str = "refrigerator";  
        int length = str.length();
```

```
        System.out.println("Length of the string 'refrigerator': " + length);
    }
}
```

6. Write a Program to Check if the Letter 'e' is Present in the Word 'Umbrella':

```
public class CheckLetterInString {
    public static void main(String[] args) {
        String word = "Umbrella";
        boolean containsE = word.contains("e");
        System.out.println("The letter 'e' is present: " + containsE);
    }
}
```

7. Write a Program to Delete All Consonants from the String "Hello, have a good day":

```
public class RemoveConsonants {
    public static void main(String[] args) {
        String str = "Hello, have a good day";
        String result = str.replaceAll("[^AEIOUaeiou\\s]", "");

        System.out.println("String after removing consonants: " + result);
    }
}
```