

## **Assignment Question 4**

**Q1) Write a simple string program that takes input from the user.**

```
import java.util.Scanner;

public class SimpleStringProgram {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String input = scanner.nextLine();
        System.out.println("You entered: " + input);
        scanner.close();
    }
}
```

**Q2) How do you concatenate two strings in Java? Give an example.**

```
public class ConcatenateStrings {
    public static void main(String[] args) {
        String string1 = "Hello, ";
        String string2 = "World!";
        String concatenatedString = string1 + string2;
        System.out.println("Concatenated string: " +
concatenatedString);
    }
}
```

**Q3) How do you find the length of a string in Java? Explain with an example.**

```
public class StringLength {
    public static void main(String[] args) {
        String input = "Hello, World!";
```

```
        int length = input.length();
        System.out.println("Length of the string: " + length);
    }
}
```

**Q4) How do you compare two strings in Java? Give an example.**

```
public class CompareStrings {
    public static void main(String[] args) {
        String string1 = "Hello";
        String string2 = "World";
        String string3 = "Hello";

        boolean comparison1 = string1.equals(string2);
        boolean comparison2 = string1.equals(string3);

        System.out.println("string1 equals string2: " + comparison1);
        System.out.println("string1 equals string3: " + comparison2);
    }
}
```

**Q5) Write a program to find the length of the string "refrigerator".**

```
public class HelloWorldLength {
    public static void main(String[] args) {
        String input = "refrigerator";
        int length = input.length();
        System.out.println("Length of the string 'HelloWorld': " +
length);
    }
}
```

**Q6) Write a program to check if the letter 'e' is present in the word 'Umbrella'.**

```
public class CheckLetterInWord {  
    public static void main(String[] args) {  
        String word = "Umbrella";  
        boolean containsE = word.contains("e");  
        System.out.println(containsE);  
    }  
}
```

**Q7) Write a program to delete all consonants from the string "Hello, have a good day" in Java?**

```
public class RemoveConsonants {  
    public static void main(String[] args) {  
        String input = "Hello, have a good day";  
        String vowelsOnly =  
input.replaceAll("[bcdfghjklmnpqrstvwxyzBCDFGHJKLMNPQRSTV  
WXYZ]", "");  
        System.out.println("String after removing consonants: " +  
vowelsOnly);  
    }  
}
```