**STRINGS IN JAVA ASSIGNMENT**

**1. Write a simple String program to take input from user.**

**Ans:** import java.util.Scanner;

public class InputString {

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

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

String str = scan.nextLine();

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

}

}

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

**Ans:** You can concatenate two strings in Java by using the + operator. The + operator can be used to concatenate not just strings, but also other data types such as integers, float, etc. When used with strings, it results in the concatenation of the two strings.

Example: public class ConcatenateStrings {

public static void main(String[] args) {

String str1 = "Hello";

String str2 = " World!";

String str3 = str1 + str2;

System.out.println(str3);

}

}

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

**Ans:** The length of a string in Java can be found using the length() method of the String class.

Example: public class StringLength {

public static void main(String[] args) {

String str = "Hello World!";

int length = str.length();

System.out.println("The length of the string is: " + length);

}

}

**4. How do you compare two strings in Java Explain with an example?**

**Ans:** In Java, you can compare two strings using the equals() method or ‘==’ operator of the String class.

Example: public class CompareStrings {

public static void main(String[] args) {

String str1 = "Hello";

String str2 = "World";

boolean areEqual = str1.equals(str2);

if (areEqual) {

System.out.println("The strings are equal");

} else {

System.out.println("The strings are not equal");

}

}

}

**5. Write a program to find the length of the string “refrigerator”**

**Ans:** public class StringLength {

public static void main(String[] args) {

String str = "refrigerator";

int length = str.length();

System.out.println("The length of the string is: " + length);

}

}

**6. Write a program to check if the letter ‘e’ is present in the word ‘Umbrella’.**

**Ans:** public class ContainsLetter {

public static void main(String[] args) {

String word = "Umbrella";

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

if (containsE) {

System.out.println("The letter 'e' is present in the word 'Umbrella'");

} else {

System.out.println("The letter 'e' is not present in the word 'Umbrella'");

}

}

}

**7. Write a program to delete all consonants from the string “Hello, have a good day”**

**Ans:** public class DeleteConsonants {

public static void main(String[] args) {

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

String vowels = "aeiouAEIOU";

StringBuilder sb = new StringBuilder();

for (int i = 0; i < str.length(); i++) {

char c = str.charAt(i);

if (vowels.indexOf(c) != -1) {

sb.append(c);

}

}

String result = sb.toString();

System.out.println("Result after removing consonants: " + result);

}

}