**STRING ASSIGNMENT-15 (04-FEB):**

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

Ans: Here's a simple Java program that takes input from the user and stores it in a String variable:

**import java.util.Scanner;**

**public class StringInputExample {**

**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);**

**}**

**}**

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

**Ans:** In Java, you can concatenate two strings using the concatenation operator (+) or the concat() method. Here's an example:

String str1 = "Hello";

String str2 = "World";

String result = str1 + " " + str2; // Using the concatenation operator

// or

String result = str1.concat(" ").concat(str2); // Using the concat() method

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

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

**Ans:** To find the length of a string in Java, you can use the length() method. Here's an example:

String str = "Hello";

int length = str.length();

System.out.println("Length of the string: " + length); // Output: 5

**4. How do you compare two strings in Java? Give an Example**

**Ans:** In Java, you can compare two strings using the equals() method or the compareTo() method. Here's an example:

String str1 = "Hello";

String str2 = "World";

boolean isEqual = str1.equals(str2); // Using equals() method

// or

int comparisonResult = str1.compareTo(str2); // Using compareTo() method

System.out.println("Strings are equal: " + isEqual); // Output: false

System.out.println("Comparison result: " + comparisonResult); // Output: -15

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

**Ans:** Here's a program to find the length of the string "refrigerator":

public class StringLengthExample {

public static void main(String[] args) {

String str = "refrigerator";

int length = str.length();

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

}

}

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

**Ans:** Here's a program to check if the letter 'e' is present in the word 'Umbrella':

public class StringCheckExample {

public static void main(String[] args) {

String word = "Umbrella";

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

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

}

}

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

**Ans:** Here's a program to delete all consonants from the string "Hello, have a good day":

**public class StringDeleteConsonantsExample {**

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

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

**String result = str.replaceAll("[^aeiouAEIOU\\s]", "");**

**System.out.println("String after deleting consonants: " + result); // Output: eo, ae a oo ay**

**}**

**}**