

Date:

P. No:

## Assignment Questions

Q1] Write a simple String program to take input from user?

Ans] 1] Import java.util.Scanner;

```
Public class user Input example { public static void main  
(String [] args) {
```

```
Scanner scanner = new  
Scanner (System.in);
```

```
System.out.print("Enter a String: ");
```

```
String user user input = scanner.nextLine();
```

```
System.out.println("You entered: " + user Input);
```

```
Scanner.close();
```

```
}
```

```
}
```

Q2] How do you concatenate these strings in java? Give an example?

Ans] In Java, you can concatenate two strings using the '+' operator or the 'concat()' method.



Example using '+' operator:

```
java
String str1 = "Hello";
String str2 = "World";
String result = str1 + " " + str2;
System.out.println(result);
```

Example using 'Concat()' method:

```
java
String str1 = "Hello";
String str2 = "World";
String result = str1.concat(" ").concat(str2);
System.out.println(result);
```

3) How do you find the length of a String in java? explain with an example?

Ans] In java, you can find the length of a String using the length() method, which is a member method of the String class.

```
String myString = "Hello, World!";
```

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

4) How do you compare two strings in java? Give an example?

Ans In java, you can compare two strings using the equals() method for content equality and == for reference equality.

```
String str1 = "Hella";  
String str2 = "Hella";
```

```
boolean contentEquality = str1.equals(str2);
```

```
boolean referenceEquality = (str1 == str2);
```

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



```

ms) public class Stringlength {
    public static void main (String [] args) {
        String word = "refrigerator";
        int length = word.length();
        System.out.println("Length of the string: " + length);
    }
}

```

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

```

ms) public class CheckLetter {
    public static void main (String [] args) {
        String word = "Umbrella";
        boolean isPresent =
        word.contains("e");
        System.out.println("Is 'e' present in
        the word?" + isPresent);
    }
}

```

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

```

ms) public class RemoveConsonants {
    public static void main (String [] args) {
        String input = "Hello, have a nice day";
        String output =
    
```

input.replaceAll("[^aeiouAEIOU\\s]", "");

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

}