

ASSIGNMENT-12(4FEB)

Q. Write a simple string program to take input from user.

Ans-

```
import java.util.Scanner;

public class string_io {
    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        System.out.print("Enter your Name: ");
        String str= sc.nextLine();
        System.out.print("Your Name is "+str);
    }
}
```

Q. How do you concatenate two strings in java? Give an example.

Ans- We can concatenate two strings in java by two methods:-

1. By “+” operator.
2. By concat() method

```
Examples- public class string_concat {
    public static void main(String[] args) {
        String s= "Amit";
        s= s.concat("Ranjan");
        System.out.println(s);
        String s1= "Amit"+"Ranjan";
        System.out.println(s1);
    }
}
```

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

Ans- We can find the length of a string in java by length() method.

```
Example:- public class string_length {  
    public static void main(String[] args) {  
        String s= "Amit Ranjan";  
        System.out.println("Length of given string is "+s.length());  
    }  
}
```

Q. How do you compare two strings in java. Give an example?

Ans= We can use two approach for comparison of strings:-

1. "==" operator-> it compares the reference of the object.
2. "equals" -> it compares the content of the object.

```
Examples-> public class string_compare {  
    public static void main(String[] args) {  
        String s1= "Amit Ranjan";  
        String s2= new String("Amit Ranjan");  
        System.out.println(s1==s2);  
        System.out.println(s1.equals(s2));  
    }  
}
```

Q. Write a program to find the length of the string "refrigerator"?

Ans-

```
public class String_refrigerator {  
    public static void main(String[] args) {  
        String str="refrigerator";  
        System.out.println("Length of refrigerator is: "+str.length());  
    }  
}
```

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

Ans-

```
public class String_find_e {  
    public static void main(String[] args) {  
        String word = "Umbrella";
```

```

    for (int i = 0; i < word.length(); i++) {
        if (word.charAt(i) == 'e') {
            hasE = true;
            break;
        }
    }

    if (hasE) {
        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'");
    }
}
}

```

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

Ans-

```

public class String_consonant {
    public static void main(String[] args) {
        String originalString = "Hello, have a good day";
        String stringWithoutConsonants =
originalString.replaceAll("[bcdfghjklmnpqrstvwxyzBCDFGHJKLMNPQRSTVWXYZ]", "");

        System.out.println("Original string: " + originalString);
        System.out.println("String without consonants: " +
stringWithoutConsonants);
    }
}

```