

ASSIGNMENT-14(6FEB)

Q. What is Mutable string in java explain with an example.

Ans- Once if we create a String, on that String if we try to perform any operation and if those changes gets reflected in the same object then such strings are called Mutable String,

Example- StringBuffer , StringBuilder.

Q. WAP to reverse a string

INPUT:"PWSKILLS"

OUTPUT:"SKILLSPW"

Ans-

```
public class ReverseString {  
    public static void main(String[] args) {  
        StringBuffer sb= new StringBuffer("SKILLS");  
        sb.reverse();  
        sb.append("PW");  
        System.out.println(sb);  
    }  
}
```

Q. WAP to reverse a sentence while preserving the position

INPUT: Think Twice

Output:"kniht eciwt"

Ans-

```
public class ReverseString {  
    public static void main(String[] args) {  
        // StringBuffer sb= new StringBuffer("SKILLS");  
        // sb.reverse();  
        // sb.append("PW");  
        // System.out.println(sb);  
  
        StringBuffer sb= new StringBuffer("Think Twice");  
        sb.reverse();  
        System.out.println(sb);  
    }  
}
```

Q. WAP to sort a string alphabetically.

Ans-

```
import java.util.Arrays;
import java.util.Scanner;

public class sorting_string {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String inputString = scanner.nextLine();

        char[] charArray = inputString.toCharArray();
        Arrays.sort(charArray);

        String sortedString = new String(charArray);
        System.out.println("Sorted string: " + sortedString);
    }
}
```