

Strings in Java

1.What is Mutable String in Java Explain with an example

The objects in which you can change the fields and states after the object is created are known as Mutable objects.

Example: java.util.Date, StringBuilder

2.WAP to reverse a string: input-“PWSKILLS” , output: “SLLIKSWP”

```
import java.io.*;
import java.util.Scanner;

class StrReverse {
    public static void main (String[] args) {

        String str= "Geeks", nstr="";
        char ch;

        System.out.print("Original word: ");
        System.out.println("PWSKILLS");

        for (int i=0; i<str.length(); i++)
        {
            ch= str.charAt(i);
            nstr= ch+nstr;
        }
        System.out.println("Reversed word: "+ nstr);
    }
}
```

3. WAP to reverse a sentence while preserving the position

```
public class Test {
    public static void main(String args[]) {
        String str = "Think Twice";
        String strArray[] = str.split(" ");
        StringBuffer sb= new StringBuffer(str);
        sb.reverse();
        for(int i=0 ; i<str.length(); i++){
            if(str.charAt(i)==' '){
                sb.insert(i, " ");
            }
        }
    }
}
```

```
}  
sb.append("");  
System.out.println(sb);  
}
```

4. WAP to sort a string alphabetically

```
import java.util.Arrays;  
import java.util.Scanner;  
  
public class SortingString {  
    public static void main(String args[]) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter a string value: ");  
        String str = sc.nextLine();  
        char charArray[] = str.toCharArray();  
        Arrays.sort(charArray);  
        System.out.println(new String(charArray));  
    }  
}
```