

1) 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 any operation and if those changes get reflected in the same object then such strings are called "Mutable String"

Example: StringBuffer ,StringBuilder.

2) Write a program to reverse a String INPUT: "PWSKILLS" output: "SLLIKSPW?"

Ans: `public class` Mutable

```
{  
    public static void main(String[] args)  
    {  
        StringBuilder sb=new StringBuilder("PWSKILLS");  
        System.out.println(sb);  
        System.out.println(sb.reverse());  
    }  
}
```

OUTPUT: SLLIKSPW

3) Write a program to reverse a sentence while preserving the position INPUT: Think Twice OUTPUT: "kniht eciwt".

Ans:`public class` Mutable

```
{  
    public static void main(String[] args)  
    {  
        String s1= "Think Twice";  
        String s2= "";  
        String sarr[]=s1.split(" ");  
        for(String elem :sarr)  
        {  
            for(int i=elem.length()-1;i>=0;i--)  
            {  
                s2= s2+elem.charAt(i);  
            }  
            s2=s2+" ";  
        }  
        System.out.println("Before reversing : "+s1);  
        System.out.println("After reversing : "+s2);  
    }  
}
```

OUTPUT:

Before reversing : Think Twice

After reversing : knihT eciwT

4) Write a program to sort a String Alphabetically.

Ans: `public class` sortalpha

```
{  
    public static void main(String[] args)  
    {  
        String s1= "Computer Execution".toLowerCase();  
        char []ar1 = s1.toCharArray();  
        Arrays.sort(ar1);  
        System.out.println(ar1);  
    }  
}
```

OUTPUT: cceeeimnoopr ttuux