Q1. What is Mutable String in java explain with an example?

Ans. Mutable String:-

   In mutable String once if it create that string if we try to perform any aperation then we can change in the same object called as mutable string.

```java
Exmple :- public class MutableString{

    public static void main(String[] args) {
        StringBuilder sc=new StringBuilder("hello");
        sc.append(" world");
        System.out.println(sc);
    }
}
```

Q2. WAP to reverse a String ?

Input: "PWSKILLS"

Output:"SLLIKSPW

```java
public class MutableString{
    public static void main(String[] args) {
        String sc="PWSKILLS";
        String str = "";
        for (int i = sc.length()-1; i>=0; i--) {
            str=str+sc.charAt(i);
        }
    System.out.println(str);
    }
}
```

Q3. WAP ro reverser asentence while preserving the position?

```java
Ans. public class MutableString{

    public static void main(String[] args) {

String str1=" Think Twice";

        String str2="";


    String sarr[]=str1.split(" ");


        for(String elem :sarr)
        {
            for(int i=elem.length()-1 ; i>=0;i--)
            {
                str2=str2+ elem.charAt(i);
            }
            str2=str2+" ";
        }
    System.out.println("After Reversing: " +str2);
}
}
```

Q4. Write a to sort a string ALphabetically?

```java
import java.util.Arrays;
public class shortingSrting {
    public static void main(String[] args) {
        String str="vivek sdharma";
        String str1="";
        str=str.toLowerCase();
        char ch[]=str.toCharArray();
        Arrays.sort(ch);
        for (char c : ch) {
            str1=str1+c;
        }
        System.out.print(str1);
    }
}
```