

Q1. What is Mutable String in Java Explain with an Example

Ans- A mutable string is a string object whose value can be changed after it is created

Example :-

```
StringBuilder sb = new StringBuilder("hello");  
sb.append(" world");  
System.out.println(sb.toString());
```

Q2. WAP to reverse a string

Input: "PWSKILLS"

Output:"SLLIKSPW"

```
public class Q2 {  
  
    public static void main(String[] args) {  
  
        String str = "PWSKILLS";  
        String res = "";  
  
        for(int i = str.length() - 1; i >= 0; i--)  
        {  
            res = res + str.charAt(i);  
        }  
        System.out.println(res);  
    }  
}
```

Q3. WAP to reverse a sentence while preserving the position

Input: Think Twice

Output:"kniht eciwt"

```
public class Q3 {  
    public static void main(String[] args) {  
        String str = "Think Twice";  
        String res= "";  
        String ar[] = str.split(" ");  
        for(int i = ar.length - 1; i > 0; i-- )  
        {  
            for(int j = str.length() - 1; j >= 0; j--)  
            {  
                res = res + str.charAt(j);  
            }  
        }  
    }  
}
```

```
    }  
  }  
  res = res + " ";  
  System.out.println(res);  
}  
}
```

Q4. WAP to sort a String Alphabetically

```
import java.util.Arrays;  
  
public class Q4 {  
    public static void main(String[] args) {  
        String str = " hi zneul what";  
        char ch[] = str.toCharArray();  
        Arrays.sort(ch);  
        System.out.println(ch);  
    }  
}
```