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

A mutable string in Java refers to a string object whose value can be changed after it is created. For example, the StringBuilder class allows us to modify the contents of a string.

2. WAP to reverse a String Input: "PWSKILLS"

public class StringReversal {

public static void main(String[] args) {

String input = "PWSKILLS";

StringBuilder reversed = new StringBuilder(input).reverse();

String output = reversed.toString();

System.out.println(output);

}

}

Output: "SLLIKSPW"

3. WAP to reverse a sentence while preserving the position Input: Think Twice

Output: "kniht eciwt"

public class SentenceReversal {

public static void main(String[] args) {

String input = "Think Twice";

String[] words = input.split(" ");

StringBuilder reversed = new StringBuilder();

for (int i = words.length - 1; i >= 0; i--) {

reversed.append(new StringBuilder(words[i]).reverse());

if (i > 0) {

reversed.append(" ");

}

}

String output = reversed.toString();

System.out.println(output);

}

}

4. WAP to sort a String Alphabetically ?

import java.util.Arrays;

public class StringSorting {

public static void main(String[] args) {

String input = "hello";

char[] chars = input.toCharArray();

Arrays.sort(chars);

String output = new String(chars);

System.out.println(output);

}

}