ASSIGNMENT MUTABLE STRINGS

Q.1 What is a mutable string in java? Explain with an example.

Ans. Once a string is created and we made some changes to that string and the changes made are reflected in the same object, then this type of string is called a mutable string.

Mutable strings are created using StringBuilder and StringBuffer classes.

Example-

```
☑ mutableStrings.java ×
  1 public class mutableStrings {
         public static void main(String[] args) {
              String str = "Hello";
              str.concat("Everone");
             System.out.println(str);
              StringBuilder sb = new StringBuilder("Hello");
              sb.append(" Everyone");
              System.out.println(sb);
              StringBuffer sb1 = new StringBuffer("Hello");
              sb1.append(" Everyone");
              System.out.println(sb1);
<terminated> mutableStrings [Java Application] C:\Users\dell6\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.2.8-hotspot\bin\javaw.exe (15-Feb-2023, 12
Hello
Hello Everyone
Hello Everyone
```

Q.2 WAP to reverse a string.

INPUT: "PWSKILLS" OUTPUT: "SLLIKSWP"

Ans.

Q.3 WAP to reverse a sentence while preserving the position.

INPUT: "Think Twice"
OUTPUT: "knihT eciwT"

Ans.

Q.4 WAP to sort a string alphabetically.

Ans.