

```
1 package String;
2
3 public class StringDemo1 {
4     public static void main(String[] args) {
5         //methods of strings
6         System.out.println("Methods of Strings");
7
8         String s1=new String("Hello World");
9         System.out.println(s1.length());
10
11         //substring
12         String sub=new String("Welcome");
13         System.out.println(sub.substring(2));
14
15         //String Comparison
16         String s1="Hello";
17         String s2="Heldo";
18         System.out.println(s1.compareTo(s2));
19
20         //IsEmpty
21         String s4="";
22         System.out.println(s4.isEmpty());
23
24         //toLowerCase
25         String s5="Hello";
26         System.out.println(s1.toLowerCase());
27
28         //replace
29         String s6="Heldo";
30         String replace=s2.replace('d', 'l');
31         System.out.println(replace);
32
33         //equals
34         String x="Welcome to Java";
35         String y="WeLcOmE to JaVa";
36         System.out.println(x.equals(y));
37
38         System.out.println("\n");
39         System.out.println("Creating StringBuffer");
40         //Creating StringBuffer and append method
41         StringBuffer s=new StringBuffer("Welcome to Java!");
42         s.append("Enjoy your learning");
43         System.out.println(s);
```



```
//replace method
StringBuffer sb=new StringBuffer("Hello");
sb.replace(0, 2, "hEl");
System.out.println(sb);

//delete method
sb.delete(0, 1);
System.out.println(sb);

//StringBuilder
System.out.println("\n");
System.out.println("Creating StringBuilder");
StringBuilder sbl=new StringBuilder("Happy");
sbl.append("Learning");
System.out.println(sbl);

System.out.println(sbl.delete(0, 1));

System.out.println(sbl.insert(1, "Welcome"));

System.out.println(sbl.reverse());

//conversion
System.out.println("\n");
System.out.println("Conversion of Strings to StringBuffer and StringBuilder");

String str = "Hello";

// conversion from String object to StringBuffer
StringBuffer sbr = new StringBuffer(str);
sbr.reverse();
System.out.println("String to StringBuffer");
System.out.println(sbr);

// conversion from String object to StringBuilder
StringBuilder sbl = new StringBuilder(str);
sbl.append("world");
System.out.println("String to StringBuilder");
System.out.println(sbl);
```


eclipse-workspace - JavaProgram10/src/String/StringDemo1.java - Eclipse IDE

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<terminated> StringDemo1 [Java Application] C:\Users\Srinivas\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full

Methods of Strings

11
lcome
8
true
hello
Hello
false

Creating StringBuffer

Welcome to Java!Enjoy your learning
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Creating StringBuilder

HappyLearning
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Conversion of Strings to StringBuffer and StringBuilder

String to StringBuffer

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String to StringBuilder

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Mostly sunny



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