```java
package strings;

public class stringdemo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.out.println("Methods of Strings");

        String sl=new String("Hello World");
        System.out.println(sl.length());

        //substring
        String sub=new String("Welcome");
        System.out.println(sub.substring(2));

        //String Comparison
        String s1="Hello";
        String s2="Heldo";
        System.out.println(s1.compareTo(s2));

        //IsEmpty
        String s4="";
        System.out.println(s4.isEmpty());

        //toLowerCase
        String s5="Hello";
        System.out.println(s1.toLowerCase());
```

```java
//replace
String s6="Heldo";
String replace=s2.replace('d', 'l');
System.out.println(replace);


//equals
String x="Welcome to Java";
String y="WeLcOmE tO JaVa";
System.out.println(x.equals(y));
System.out.println("\n");
System.out.println("Creating StringBuffer");
//Creating StringBuffer and append method
StringBuffer s=new StringBuffer("Welcome to Java!");
s.append("Enjoy your learning");
System.out.println(s);
//insert method
s.insert(0, 'w');
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");
```

```java
System.out.println("Creating StringBuilder");

StringBuilder sb1=new StringBuilder("Happy");

sb1.append("Learning");

System.out.println(sb1);



System.out.println(sb1.delete(0, 1));



System.out.println(sb1.insert(1, "Welcome"));



System.out.println(sb1.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);


}
}
```

Output:

Methods of Strings

11

lcome

8

true

hello

Hello

false

Creating StringBuffer

Welcome to Java!Enjoy your learning

wWelcome to Java!Enjoy your learning

hElllo

Elllo

Creating StringBuilder

HappyLearning

appyLearning

aWelcomeppyLearning

gninraeLyppemocleWa

Conversion of Strings to StringBuffer and StringBuilder

String to StringBuffer

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String to StringBuilder

Helloworld