**public class stringDemo {**

**public static void main(String[] args) {**

**//methods of strings**

**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());***

***//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");***

***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);***

***}***

***}***