package typecasting;

public class Stringexp {

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);

}

}