//Aim : string and stringbuffer class

class StringDemo{

public static void main(String[] args) {

String s1="nikhil singh",s2="SYCS 45";

System.out.println("strings s1 = "+s1+" s2 = "+s2);

System.out.println("conversion to uppercase: "+s1.toUpperCase());

System.out.println("conversion to lowercase: "+s2.toLowerCase());

System.out.println("s1==s2 ? "+s1.equals(s2));

System.out.println("s1==s2 ignore casing ? "+s1.equalsIgnoreCase(s2));

System.out.println("s1+s2 ="+s1.concat(s2));

System.out.println("s1 compare s2 ?"+s1.compareTo(s2));

System.out.println("s1 charat index 5 :"+s1.charAt(5));

System.out.println("s1 substring from 3 to 5 :"+s1.substring(3,5));

System.out.println("s1 valueof 12 :"+s1.valueOf(12));

System.out.println("s2 index of C :"+s2.indexOf("C"));

System.out.println("s1 trim :"+s1.trim());

System.out.println("s1 replace i with z :"+s1.replace('i','z'));

System.out.println("s1 length:"+s1.length());

System.out.println("s2 length:"+s2.length());

//string buffer

StringBuffer sb=new StringBuffer(s1);

int pos =sb.indexOf("s");

System.out.println("string buffer: "+sb);

sb.insert(pos,s2);

System.out.println("insert s2 at s "+sb);

sb.setCharAt(5,'-');

System.out.println("stcharat 5 as - :"+sb);

sb.append("hii");

System.out.println("append hii :"+sb);

sb.setLength(30);

System.out.println("updated length:"+sb.length());

}

}

**Output**

C:\Users\Nikhil\Desktop\bsc cs\sem 3 practical\java>javac StringDemo.java

C:\Users\Nikhil\Desktop\bsc cs\sem 3 practical\java>java StringDemo

strings s1 = nikhil singh s2 = SYCS 45

conversion to uppercase: NIKHIL SINGH

conversion to lowercase: sycs 45

s1==s2 ? false

s1==s2 ignore casing ? false

s1+s2 =nikhil singhSYCS 45

s1 compare s2 ?27

s1 charat index 5 :l

s1 substring from 3 to 5 :hi

s1 valueof 12 :12

s2 index of C :2

s1 trim :nikhil singh

s1 replace i with z :nzkhzl szngh

s1 length:12

s2 length:7

string buffer: nikhil singh

insert s2 at s nikhil SYCS 45singh

stcharat 5 as - :nikhi- SYCS 45singh

append hii :nikhi- SYCS 45singhhii

updated length:30