# NAME : MINAL CHHATRE

ENROLL NO. 1906016

# Program 5 Develop programs for implementation of different methods of String and StringBuffer Class (10 methods of each) .

CODE:

import java.util.Scanner;

public class StringMethods {

public static void main(String args[]) {

Scanner sc = new Scanner(System.in);

int num1;

System.out.println("Enter any string: ");

String str = sc.nextLine();

System.out.println("Original string: "+str);

StringBuffer strb = new StringBuffer("Minal Chhatre");

System.out.println("String Buffer Original string: "+strb);

do{

System.out.println("Enter 1 for string methods and 2 for string buffer methods ");

int num = sc.nextInt();

switch(num){

case 1:

System.out.println("Using string methods: ");

System.out.println("1. Original string: "+str);

System.out.println("2. String length: "+str.length());

System.out.println("3. String lowercase: "+str.toLowerCase());

System.out.println("4. String uppercase: "+str.toUpperCase());

System.out.println("5. String trim: "+str.trim());

System.out.println("6. String substring 2-4: "+str.substring(2,4));

System.out.println("7. String replace c with m: "+str.replace('c','m'));

System.out.println("8. String starting 'char'?: "+str.startsWith("char"));

System.out.println("9. String ending 'abs'?: "+str.endsWith("abs"));

System.out.println("10. String character at 3: "+str.charAt(3));

System.out.println("11. String index of 'c': "+str.indexOf("c"));

System.out.println("12. String last index of 'c': "+str.lastIndexOf("c"));

System.out.println("13. String equals to 'Characteristics': "+str.equals("Characteristics"));

System.out.println("14. String equals to 'Characteristics' - ignoring case:"+str.equalsIgnoreCase("Characteristics"));

break;

case 2:

System.out.println("1. Original string: "+strb);

System.out.println("2. String capacity: "+strb.capacity());

System.out.println("3. String append: "+strb.append(" : )"));

System.out.println("4. String length: "+strb.length());

System.out.println("5. String character at 3: "+strb.charAt(3));

System.out.println("6. Substring 4-6"+strb.substring(4,6));

System.out.println("7. String delete: "+strb.delete(4,6));

System.out.println("8. String indexof: "+strb.indexOf("a"));

System.out.println("9. String last indexof: "+strb.lastIndexOf("a"));

System.out.println("10. String insert: "+strb.insert(3,"zzz"));

System.out.println("11. String set length: "+strb.reverse());

break;

default:

System.out.println("Enter Valid option ");

}

System.out.println("Do you want to continue process? Press 0 ");

num1 = sc.nextInt();

}while(num1==0);

}

}

OUTPUT:

Microsoft Windows [Version 6.1.7601]

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'DOSKEY' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\KIRAN>d:

D:\>cd java

D:\java>javac StringMethods.java

D:\java>java StringMethods

Enter any string:

characteristics

Original string: characteristics

String Buffer Original string: Minal Chhatre

Enter 1 for string methods and 2 for string buffer methods

1

Using string methods:

1. Original string: characteristics

2. String length: 15

3. String lowercase: characteristics

4. String uppercase: CHARACTERISTICS

5. String trim: characteristics

6. String substring 2-4: ar

7. String replace c with m: mharamteristims

8. String starting 'char'?: true

9. String ending 'abs'?: false

10. String character at 3: r

11. String index of 'c': 0

12. String last index of 'c': 13

13. String equals to 'Characteristics': false

14. String equals to 'Characteristics' - ignoring case:true

Do you want to continue process? Press 0

0

Enter 1 for string methods and 2 for string buffer methods

2

1. Original string: Minal Chhatre

2. String capacity: 29

3. String append: Minal Chhatre : )

4. String length: 17

5. String character at 3: a

6. Substring 4-6l

7. String delete: MinaChhatre : )

8. String indexof: 3

9. String last indexof: 7

10. String insert: MinzzzaChhatre : )

11. String set length: ) : ertahhCazzzniM

Do you want to continue process? Press 0

1

D:\java>

