|  |  |
| --- | --- |
|  | // program to illustrate charAt(), length(), indexOf(),substring() methodspublic class stringfunctions1 { public static void main(String args[]) { char c[]={'w','e','l','c','o','m','e'};String str1;str1=new String(c);String str2="to csc department";//length()System.out.println(str1.length()+" "+str2.length());//charAt()System.out.println(str1.charAt(4));//indexOf()System.out.println(str2.indexOf('c'));int i=str2.indexOf('c');System.out.println(str2.indexOf('c',i+1));//lastIndexOf()System.out.println(str2.lastIndexOf('e'));//substring()String rollnumber="11581";System.out.println("year of joining is 20:"+rollnumber.substring(0,2));System.out.println("Major code is :" + rollnumber.substring(2,3));System.out.println("Roll number in the class is :"+rollnumber.substring(3,5));//toUpperCaseSystem.out.println("to upper case "+str1.toUpperCase());//toLowerCaseSystem.out.println("to upper case "+str1.toLowerCase());//replace()System.out.println("replace string c to m :"+str2.replace('c','m'));//getchars() char str3[]=new char[5];str2.getChars(1,5,str3,0); // characters starting form position 1 and ending with the position 5 and stored in str3 from // position 0 of str3 arraySystem.out.println(str3);//getCharArray() and getBytes = helps to convert an entire string into an array of byte//equals()String s1="Good Luck";String s2=s1.toUpperCase();System.out.println(s2);System.out.println(s1.equals(s2));System.out.println(s1.equalsIgnoreCase(s2));} } |

Output

|  |
| --- |
| 7 17o3514year of joining is 20:11Major code is :5Roll number in the class is :81to upper case WELCOMEto upper case welcomereplace string c to m :to msm departmento cs |

|  |  |
| --- | --- |
|  | // program to illustrate compareTo() methodpublic class stringfunction3 { public static void main(String args[]) { //compareTo() - used to order a given set of strings in the descending orderString str[]={"this","is","the","time","to","browse","internet"};for(int i=0;i<str.length-1;i++){ for(int j=i+1;j<=str.length-1;j++) { if(str[i].compareTo(str[j])>0) { String temp=str[j]; str[j]=str[i]; str[i]=temp;  } }}for(int j=0;j<str.length-1;j++)System.out.println(str[j]);} } |

Output

|  |
| --- |
| browseinternetisthethistime |

|  |  |
| --- | --- |
|  | // program to illustrate charAt(), length(), indexOf(),substring() methodspublic class stringfunction2{ public static void main(String args[]) {String s1="Good Luck";String s2=s1.toUpperCase();System.out.println(s2);System.out.println(s1.equals(s2));System.out.println(s1.equalsIgnoreCase(s2));}} |

Output

|  |
| --- |
| GOOD LUCKfalsetrue |

|  |  |
| --- | --- |
|  | public class stringbuffer1 { public static void main(String args[]) { StringBuffer sb1=new StringBuffer(); StringBuffer sb2=new StringBuffer(20); StringBuffer sb3=new StringBuffer("welcome"); System.out.println("capacity of sb1="+sb1.capacity()); //16 System.out.println("capacity of sb2="+sb2.capacity()); //20 System.out.println("capacity of sb3="+sb3.capacity()); //7+16=23 System.out.println("character at ="+sb3.charAt(5)); //replace = setCharAt sb3.setCharAt(3,'y'); System.out.println("set character at ="+sb3); //setLength sb3.setLength(4); System.out.println("after setting length ="+sb3); char c[]=new char[2];sb3.getChars(1,3,c,0); //startign at 1 position and ending at 3rd position in to char array c from oth position System.out.println(c); sb3.append("to csc"); System.out.println("after appending ="+sb3); // insert sb3.insert(2,"xxxxx"); System.out.println("after insertion ="+sb3);  } } |

Output

|  |
| --- |
| capacity of sb1=16capacity of sb2=20capacity of sb3=23character at =mset character at =welyomeafter setting length =welyelafter appending =welyto cscafter insertion =wexxxxxlyto csc |

|  |  |
| --- | --- |
|  | import java.io.\*;public class substringremoval {public static void main(String args[]){ try { InputStreamReader reader=new InputStreamReader(System.in); BufferedReader in =new BufferedReader(reader); System.out.println("enter the string"); String text; text=in.readLine(); System.out.println("enter the starting position for extraction"); int startpos; startpos=Integer.parseInt(in.readLine()); System.out.println("enter the number of characters to be extracted"); int endpos; endpos=Integer.parseInt(in.readLine()); String s1=text.substring(startpos,endpos); System.out.println(text); System.out.println("the substring is "+text.substring(startpos,endpos));   } catch(Exception e) { }}  } |

Output

|  |
| --- |
| enter the stringwelcome to computer science departmententer the starting position for extraction3enter the number of characters to be extracted6welcome to computer science departmentthe substring is com |