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| --- | --- |
|  | // program to illustrate charAt(), length(), indexOf(),substring() methods  public 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));  //toUpperCase  System.out.println("to upper case "+str1.toUpperCase());  //toLowerCase  System.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 array  System.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 17  o  3  5  14  year of joining is 20:11  Major code is :5  Roll number in the class is :81  to upper case WELCOME  to upper case welcome  replace string c to m :to msm department  o cs |

|  |  |
| --- | --- |
|  | // program to illustrate compareTo() method  public class stringfunction3  {  public static void main(String args[])  {    //compareTo() - used to order a given set of strings in the descending order  String 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

|  |
| --- |
| browse  internet  is  the  this  time |

|  |  |
| --- | --- |
|  | // program to illustrate charAt(), length(), indexOf(),substring() methods  public 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 LUCK  false  true |

|  |  |
| --- | --- |
|  | 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=16  capacity of sb2=20  capacity of sb3=23  character at =m  set character at =welyome  after setting length =wely  el  after appending =welyto csc  after 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 string  welcome to computer science department  enter the starting position for extraction  3  enter the number of characters to be extracted  6  welcome to computer science department  the substring is com |