**Strings**

**Example 1:**

**package** Strings;

**public** **class** S1Example

{

**public** **static** **void** main(String args[])

{

String name="Learn Java";

**char** ch=name.charAt(4);

System.***out***.println(ch);

System.***out***.println(name);

}

}

**Output:**

**n**

**Learn Java**

Example 2:

**package** Strings;

**public** **class** S2Example

{

**public** **static** **void** main(String args[])

{

String str="Welcome to Java Programming";

**for**(**int** i=0;i<str.length()-1;i++)

{

**if**(i%2!=0)

System.***out***.println("Character at"+i+"Place is "+str.charAt(i));

}

}

}

Output:

Character at1Place is e

Character at3Place is c

Character at5Place is m

Character at7Place is

Character at9Place is o

Character at11Place is J

Character at13Place is v

Character at15Place is

Character at17Place is r

Character at19Place is g

Character at21Place is a

Character at23Place is m

Character at25Place is n

Example 3:

**package** Strings;

**public** **class** S3Example

{

**public** **static** **void** main(String args[])

{

String str="Welcome to Java Programming";

**int** c=0;

**for**(**int** i=0;i<str.length()-1;i++)

{

**if**(str.charAt(i)=='m')

{

c++;

}

}

System.***out***.println("Frequency of m is"+c);

}

}

Output:

Frequency of m is3

Example 4:

**package** Strings;

**public** **class** StringDemo

{

**public** **static** **void** main(String args[])

{

String mystr=**new** String("I live in india");

System.***out***.println("Length of mystr is "+mystr.length());

System.***out***.println("Character at 3rd Index is:"+mystr.charAt(3));

mystr=mystr.replaceAll("I", "We");

System.***out***.println("Replaced mystr is "+mystr);

System.***out***.println("Concanate "+"\n"+mystr.concat("Country"));

System.***out***.println("Uppercase of mystr "+mystr.toUpperCase());

}

}

Output:

Replaced mystr is We live in india

Concanate

We live in indiaCountry

Uppercase of mystr WE LIVE IN INDIA

Example 5:

**package** Strings;

**public** **class** StringDemo2

{

**public** **static** **void** main(String args[])

{

String s1="Welcome to Java";

String s2="Welcome to java";

System.***out***.println("Equals: "+s1.equals(s2));

System.***out***.println("EqualsIgnoreCase: "+s1.equalsIgnoreCase(s2));

System.***out***.println("Compare to: "+s1.compareTo(s2));

System.***out***.println("Compare to IgnoreCase: "+s1.compareToIgnoreCase(s2));

System.***out***.println("Starts with we: "+s1.startsWith("We"));

System.***out***.println("Ends with bc: "+s1.endsWith("bc"));

System.***out***.println("Contains: "+s1.contains("to"));

}

}

Output:

Equals: false

EqualsIgnoreCase: true

Compare to: -32

Compare to IgnoreCase: 0

Starts with we: true

Ends with bc: false

Contains: true

Example 6:

**package** Strings;

**import** java.util.Scanner;

**public** **class** SearchDemo

{

**public** **static** **void** main(String args[])

{

Scanner ss=**new** Scanner(System.***in***);

**int** n;

System.***out***.println("Enter No.of Strings");

n=ss.nextInt();

String list[]=**new** String[n];

**int** i,search=0;

System.***out***.println("Enter String:");

**for**(i=0;i<n;i++)

{

list[i]=ss.next();

}

System.***out***.println("enter String to be searched");

String str=ss.next();

**for**(i=0;i<n;i++)

{

**if**((list[i].equalsIgnoreCase(str))==**true**)

{

System.***out***.println("String Exists");

search=1;

**break**;

}

}

**if**(search==0)

{

System.***out***.println("Given String is not in the list");

}

}

}

Output 1:

Enter No.of Strings

2

Enter String:

hai

hello

enter String to be searched

hai

String Exists

Output 2:

Enter No.of Strings

2

Enter String:

hai

hello

enter String to be searched

bye

Given String is not in the list

**String Buffer**

Example 1:

**package** Strings;

**public** **class** Sb1

{

**public** **static** **void** main(String args[])

{

StringBuffer s=**new** StringBuffer("KLUniversity");

**int** p=s.length();

**int** q=s.capacity();

System.***out***.println("length="+p);

System.***out***.println("Capacity="+q);

}

}

Output:

length=12

Capacity=28

Example 2:

**package** Strings;

**public** **class** Sb2

{

**public** **static** **void** main(String args[])

{

StringBuffer s=**new** StringBuffer("KLUniversity");

s.append("Vijayawada");

System.***out***.println(s);

s.append(1);

System.***out***.println(s);

}

}

Output:

KLUniversityVijayawada

KLUniversityVijayawada1

Example 3:

**package** Strings;

**public** **class** Sb3

{

**public** **static** **void** main(String args[])

{

StringBuffer s=**new** StringBuffer("KLUniversity");

s.insert(5, "is");

System.***out***.println("Inserted String :"+s);

s.reverse();

System.***out***.println("Reverse String :"+s);

s.delete(0, 2);

System.***out***.println("DeleteString :"+s);

s.deleteCharAt(7);

System.***out***.println("Deleted Character :"+s);

s.replace(0, 1, "KG");

System.***out***.println("Replace String :"+s);

}

}

Output:

Inserted String :KLUniisversity

Reverse String :ytisrevsiinULK

DeleteString :isrevsiinULK

Deleted Character :isrevsinULK

Replace String :KGsrevsinULK