1. **Implement Arraylist element.**

**Source Code:**

import java.lang.reflect.Array;

import java.util.\*;

import java.util.ArrayList;

import java.util.Collections;

import java.util.Iterator;

public class ArrayListPrograms

{

public static void main(String[] args)

{

ArrayList<String> list = new ArrayList<String>();

list.add("srikanth");

list.add("susmitha");

list.add("saradha");

list.add("goutham");

System.***out***.println("frist added names are"+list);

System.***out***.println("using iterator");

Iterator itr = list.iterator();

while(itr.hasNext())

{

System.***out***.println(itr.next());

//it is usd to print next element

}

System.***out***.println("using fro loop");

for(String names:list)

{

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

}

System.***out***.println("using getMethod"+" "+list.get(1));

System.***out***.println("Afetr update by using set method");

System.***out***.println(list.set(2, "sateesh"));

System.***out***.println("Sorting elements............");

ArrayList<Integer> list2 = new ArrayList<Integer>();

list2.add(23);

list2.add(33);

list2.add(34);

list2.add(99);

System.***out***.println("Before sort List"+list2);

System.***out***.println("After sort list elements");

Collections.*sort*(list2);

for(Integer number:list2)

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

//removing specific element

list.remove(1);

System.***out***.println("After remove of index 1"+list);

ArrayList<String> list3 = new ArrayList<String>();

list3.add("harsha");

list3.add("sridevi");

//adding list3 intio list1 using addAll ethod

list.addAll(list3);

System.***out***.println("after added list is"+list);

//removing list3 elements in list1 using removal method

list.removeAll(list3);

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

//performing is empty

boolean bol = list.isEmpty();

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

//using clear methoid

list2.clear();

System.***out***.println("After using clean"+list2);

int siz = list.size();

System.***out***.println("size of array list"+siz);

}

}

1. **Perform multiple actions on linkedlist.:**

**Source Code:**

import java.util.LinkedList;

public class LinkedListActions {

public static void main(String[] args)

{

LinkedList<String> list = new LinkedList<String>();

list.add("srikanth");

list.add("venkata");

list.add("reddy");

list.add("nallapareddy");

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

System.***out***.println("using element"+" "+list.element());

System.***out***.println("using get first"+" "+list.getFirst());

System.***out***.println("using getlast"+" "+list.getLast());

System.***out***.println("using get() method"+list.get(1));

System.***out***.println("using peek method"+" "+list.peek());

System.***out***.println("using prrklast"+" "+list.peekLast());

System.***out***.println("using peelFirst"+" "+list.peekFirst());

System.***out***.println("using pool method"+" "+list.poll());

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

System.***out***.println("using remove with index element"+" "+list.remove(1));

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

System.***out***.println("using set index"+" "+list.set(1, "srikanth"));

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

LinkedList<String> list2 = new LinkedList<String>();

list2.add("suamitha");

list2.add("saradha");

list.addAll(list2);

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

int siz = list.size();

System.***out***.println("size of list elements"+" "+siz);

}

}