package collections;

import java.util.\*;

public class **Store1lkArrayList** {

public static void main(String[] args) {

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

long startTime = System.currentTimeMillis();

for (int i = 0; i < 100000; i++)

arrayList.add(i, (int)(Math.random()\*10000));

Iterator<Integer> iterator = arrayList.iterator();

while (iterator.hasNext())

System.out.println(iterator.next() + " ");

long endTime = System.currentTimeMillis();

System.out.println(

"Time taken to store 1 lakh elements using ArrayList is " + (endTime - startTime) + " milliseconds");

}

}

package collections;

import java.util.Iterator;

import java.util.LinkedList;

public class **Store1lkLinkedLis**t {

public static void main(String[] args){

LinkedList<Integer> linkedList = new LinkedList<Integer>();

long startTime = System.currentTimeMillis();

for (int i = 0; i < 100000; i++)

linkedList.add(i, (int)(Math.random()\*1000));

Iterator<Integer> iterator = linkedList.iterator();

while (iterator.hasNext())

System.out.println(iterator.next() + " ");

long endTime = System.currentTimeMillis();

System.out.println("Time taken to store 1 lakh elements using LinkedList is " + (endTime - startTime) + " milliseconds");

}

}

