package collections;

import java.util.\*;

public class collections {

public static void main(String[] args) {

//creating Arralist

System.out.println("\n");

System.out.println("Arraylist");

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

// Add ELements

colors.add("Red");

colors.add("Blue");

colors.add("Green");

colors.add("Black");

System.out.println("Arraylist: " +colors);

//creating Vector

System.out.println("\n");

System.out.println("Vector");

Vector<String> vec = new Vector<>();

//add element using add() method

vec.add("Tiger");

vec.add("Dog");

//add element using addelement() method

vec.addElement("Lion");

vec.addElement("Red");

//check size and capacity

System.out.println("Size is: " +vec.size());

System.out.println("Capacity is" +vec.capacity());

System.out.println("Vector: " +vec);

//creating Linkedlist

System.out.println("\n");

System.out.println("LinkedList");

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

//add elements

name.add("Ritu");

name.add("Arjun");

name.add("Rahul");

name.add("Vijay");

Iterator<String> itr= name.iterator();

while(itr.hasNext()) {

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

//Creating hashset

System.out.println("\n");

System.out.println("HashSet");

HashSet<Integer> set=new HashSet<Integer>();

set.add(103);

set.add(104);

set.add(105);

System.out.println(set);

//Creating Linkedhashset

System.out.println("\n");

System.out.println("LinkedHashSet");

LinkedHashSet<Integer> num=new LinkedHashSet<Integer>();

num.add(11);

num.add(12);

num.add(13);

System.out.println(num);

}

}