2.7 Collections

Program

package collections;

import java.util.\*;

public class CollectionsClass {

public static void main(String[] args) {

//ArrayList implementation

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

employeeNames.add("Nandha");

employeeNames.add("Kumar");

employeeNames.add("Madhavan");

employeeNames.add("Vijay");

employeeNames.add("Rajini");

boolean flag = employeeNames.contains("Nandha");

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

//LinkedList implementation

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

employeeNamesLl.add("Nandha");

boolean flagLl = employeeNamesLl.contains("Nandha");

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

//Vector implementation

//Synchronized ArrayList is vector

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

employeeNamesVc.add("Nandha");

boolean flagVc = employeeNamesVc.contains("Nandha");

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

//Hashset implementation

//Contains only unique elements

HashSet<String> employeeNamesHs = new HashSet<String>();

employeeNamesHs.add("Nandha");

boolean flagHs = employeeNamesHs.contains("Nandha");

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

//removes duplicates

employeeNamesHs.add("Nandha");

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

//Iterate the collection

Iterator itr = employeeNames.iterator();

while(itr.hasNext()) System.***out***.print(itr.next()+" ");

}

}