**PRACTICE PROBLEM IN CLASS –03.08.2024**

**HASHSET**

import java.util.\*;

public class hs

{

public static void main(String args[])

{

Set<String> a= new HashSet<String>();

a.add("mano");

a.add("deenesh");

a.add("pav");

System.out.println("Display the given strings:"+a);

a.add("pav");

System.out.println("After adding duplicate string"+a);

a.remove("mano");

System.out.println("After removing a string"+a);

Iterator v= a.iterator();

while(v.hasNext())

{

System.out.println("After using Iterator"+v.next());

}

}

}

**LINKED HASHSET**

import java.util.\*;

public class lhs

{

public static void main(String args[])

{

Set<String> a= new LinkedHashSet<String>();

a.add("mano");

a.add("deenesh");

a.add("pav");

System.out.println("Display the given strings:"+a);

a.add("pav");

System.out.println("After adding duplicate string"+a);

a.remove("mano");

System.out.println("After removing a string"+a);

Iterator v= a.iterator();

System.out.println("After using Iterator");

while(v.hasNext())

{

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

}

}

}

**TREESET**

import java.util.\*;

public class ts

{

public static void main(String args[])

{

Set<String> a= new TreeSet<String>();

a.add("mano");

a.add("deenesh");

a.add("pav");

System.out.println("Display the given strings:"+a);

a.add("pav");

System.out.println("After adding duplicate string"+a);

a.remove("mano");

System.out.println("After removing a string"+a);

Iterator v= a.iterator();

System.out.println("After using Iterator");

while(v.hasNext())

{

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

}

}

}

PRACTICE QUESTION –3/8/24

import java.util.LinkedList;

import java.util.Stack;

import java.util.Vector;

public class CollectionExample {

public static void main(String[] args) {

Stack<Integer> stack = new Stack<>();

stack.push(1);

stack.push(2);

stack.push(3);

System.out.println("Stack: " + stack);

System.out.println("Popped from stack: " + stack.pop());

System.out.println("Stack after pop: " + stack);

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

linkedList.add("First");

linkedList.add("Second");

linkedList.add("Third");

System.out.println("LinkedList: " + linkedList);

linkedList.addFirst("Zeroth");

linkedList.addLast("Last");

System.out.println("LinkedList after additions: " + linkedList);

linkedList.remove("Second");

System.out.println("LinkedList after removal: " + linkedList);

Vector<Double> vector = new Vector<>();

vector.add(1.1);

vector.add(2.2);

vector.add(3.3);

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

vector.add(4.4);

vector.set(0, 0.0); // Replace first element

System.out.println("Vector after modifications: " + vector);

}

}

