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**Roll No:24**

**Batch:B**

**Date:07/06/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 6**

**Aim**

Maintain a list of Strings using ArrayList from collection framework, perform built-in operations.

**PROCEDURE**

import java.util.\*;

public class ArrayListOperation {

public static void main(String[] args) {

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

System.out.println("Adding elements to the ArrayList:"+"\n"+"-----------------------------");

obj.add("Aarav");

obj.add("Vithuyth");

obj.add("Rohan");

obj.add("Nived");

obj.add("Lachu");

obj.add("Sree");

System.out.println("ArrayList:"+"\n"+"---------------------------");

for(String str:obj)

System.out.println(str);

System.out.println("Size of the ArrayList"+"\n"+"----------------------------"+"\n"+obj.size());

Collections.sort(obj);

System.out.println("ArrayList after Sorting"+"\n"+"------------------------------------");

for(String str:obj)

System.out.println(str);

obj.remove("Lachu");

obj.remove(1);

System.out.println("ArrayList after remove operation"+"\n"+"--------------------------");

for(String str:obj)

System.out.println(str);

System.out.println("Final ArrayList"+"\n"+"-----------------------------");

for(String str:obj)

System.out.println(str);

System.out.println("Object at the index 2:"+"\n"+"-------------------------------"+"\n"+obj.get(2));

System.out.println("Check whether the given element is present in the ArrayList"+"\n"+"------------------------------------");

System.out.println("Aarav is in the ArrayList:"+obj.contains("Aarav"));

System.out.println("Vithuyth is in the ArrayList:"+obj.contains("Vithuyth"));

obj.add(4,"Anu");

System.out.println("ArrayList after add operation"+"\n"+"--------------------------");

for(String str:obj)

System.out.println(str);

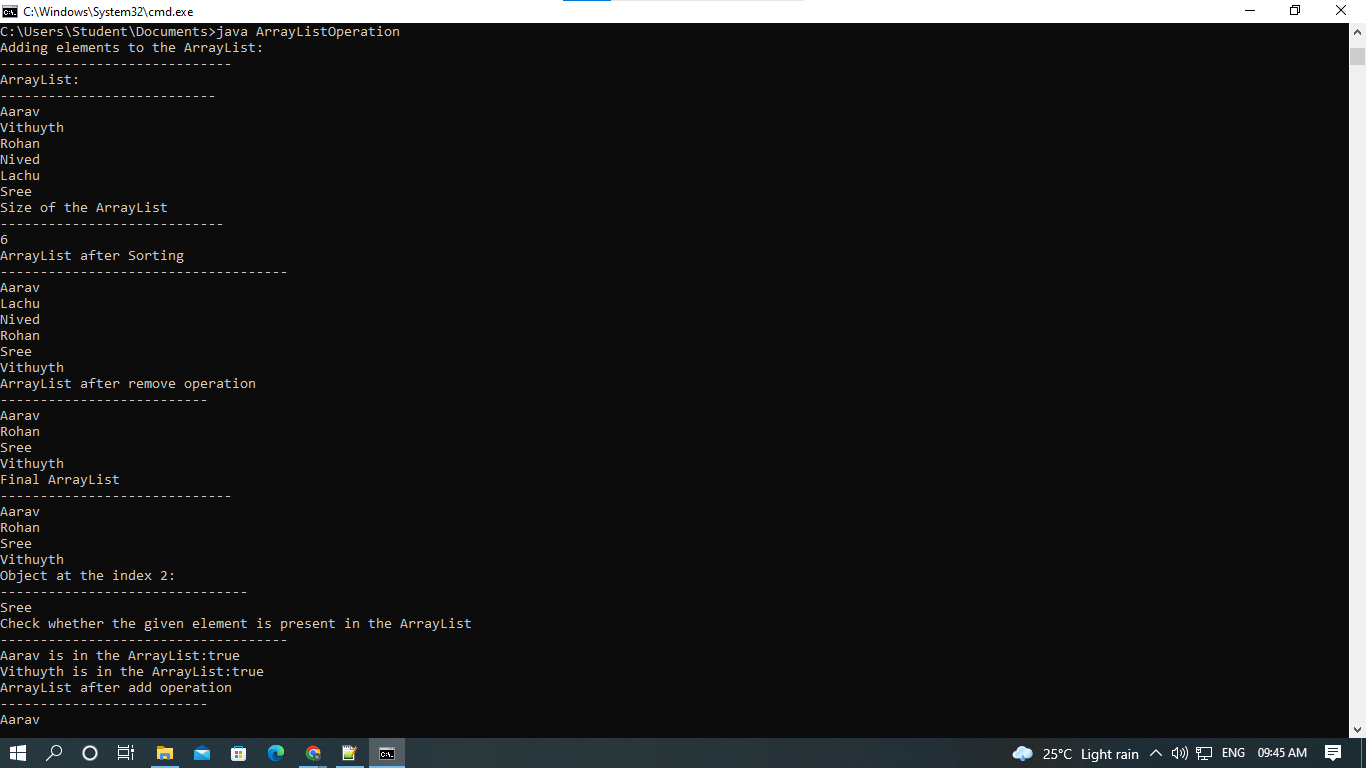
obj.clear();

System.out.println("ArrayList after clear method:"+obj);

}

}

**OUTPUT**

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